1,3,5,7-テトラアザトリシクロ [3.3.1.1^{3,7}] デカンの ラット及びマウスを用いた経口投与による が ん 原 性 試 験 (混 水 試 験) 報 告 書

APPENDIX

 $(A1 \sim D4)$

APPENDIXES

APPENDIX A 1 CLINICAL OBSERVATION (TOW-YEAR STUDY: SUMMARY) RAT: MALE APPENDIX A2 CLINICAL OBSERVATION (TOW-YEAR STUDY: SUMMARY) RAT: FEMALE APPENDIX A3 CLINICAL OBSERVATION (TOW-YEAR STUDY: SUMMARY) MOUSE: MALE APPENDIX A 4 CLINICAL OBSERVATION (TOW-YEAR STUDY: SUMMARY) MOUSE: FEMALE APPENDIX B 1 BODY WEIGHT CHANGES (TOW-YEAR STUDY: SUMMARY) RAT: MALE APPENDIX B 2 BODY WEIGHT CHANGES (TOW-YEAR STUDY: SUMMARY) RAT: FEMALE APPENDIX B 3 BODY WEIGHT CHANGES (TOW-YEAR STUDY: SUMMARY) MOUSE: MALE APPENDIX B 4 BODY WEIGHT CHANGES (TOW-YEAR STUDY: SUMMARY) MOUSE: FEMALE APPENDIX C 1 WATER CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY) RAT: MALE APPENDIX C 2 WATER CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY) RAT: FEMALE APPENDIX C 3 WATER CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY) MOUSE: MALE APPENDIX C 4 WATER CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY) MOUSE: FEMALE APPENDIX D 1 FOOD CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY) RAT: MALE APPENDIX D 2 FOOD CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY) RAT: FEMALE APPENDIX D3 FOOD CONSUMPTION CHANGES(TOW-YEAR STUDY : SUMMARY) MOUSE : MALE

APPENDIX D4 FOOD CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY) MOUSE: FEMALE

APPENDIX A 1

CLINICAL OBSERVATION (TOW-YEAR STUDY: SUMMARY)

RAT: MALE

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name		stration W												
		17	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	Δ.	٥	0	^	0	^	0	•			
DENTH	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				-	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ô	Ŏ	Ô
	30000 ppm	0	0	0	0	0	0	0	Ö	Ö	Ö	ŏ	Ö	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	Ö	Ö	0	0	0	0	0	0	0	0		0
	15000 ppm	0	0	0	Ö	0	0	0	0	0	0	-		0	•
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	COUCO PPIII	V	U	V	V	V	V	U	U	U	U	U	U	0	0
EXCITEMENT	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ö	0	Ô
	15000 ppm	0	0	0	0	0	0	0	0	0	Ö	0	Ô	ŏ	ő
	30000 ppm	0	0	0	0	0	0	0	Ö	Ö	0	Ö	ő	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	Ö	Ö	0	0	Ö	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0
COLORED	Control	0	0	0	0	0	0	0	0	0	0	0	٥		0
	7500 ppm	0	0	0	0	0	0	0	0	0	1	•	0	0	0
	15000 ppm	0	0	0	0	0	-	•	-	_	-	1	1	2	3
			0	-			0	0	3	3	4	4	3	11	21
	30000 ppm	0	U	0	2	7	8	7	7	7	7	8	10	20	30
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	Ö
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0
	30000 ppm	0	0	0	0	0	Ŏ	Ô	Ö	ŏ	0	0	0	0	0

STUDY NO.: 0224
ANIMAL: RAT F344
REPORT TYPE: A1 104

SEX : MALE

Clinical sign Group Name Administration Week-day 15-7 16-7 17-7 18-7 19-7 20-7 21-7 22-7 23-7 24-7 25-7 26-7 27-7 28-7 DEATH Control 7500 ppm 15000 ppm 30000 ppm MORIBUND SACRIFICE Control 7500 ppm 15000 ppm 30000 ppm LOCOMOTOR MOVEMENT DECR Control 7500 ppm 15000 ppm 30000 ppm PARALYTIC GAIT Control 7500 ppm 15000 ppm 30000 ppm EXCITEMENT Control 7500 ppm 15000 ppm 30000 ppm WASTING Control 7500 ppm 15000 ppm 30000 ppm COLORED Contral 7500 ppm 15000 ppm 30000 ppm

PILOERECTION

Contral

7500 ppm

15000 ppm

30000 ppm

ANIMAL : RAT F344 REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : MALE

Clinical sign	Group Name	Admini	istration W	leek-day											
	a oop namo	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NZ ATH	Control	٥	^	0	^	٨	^	٨	٨	٥	٨	^	٥	^	0
EATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0 -	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	7500 ppm	0	0	Ů.	Ŏ	0	Ö	Ŏ	Ö	0	0	0	0	Ô	0
	15000 ppm	Ö	Ö	0	Ŏ	0	Ö	ŏ	Ŏ	Ö	Ŏ	0	Ŏ	ő	0
	30000 ppm	0	0	Ö	0	Ŏ	0	0	0	Ö	Ö	0	Ö	0	0
OLORED	Control	0	0	0	0	0	0	0	0	0	0-	0	0	0	0
	7500 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	15000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
•	30000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
LOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	Ô	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : RAT F344

STUDY NO.: 0224

REPORT TYPE : A1 104

SEX : MALE

SEX : MALE															PAGE: 4	Ł
Clinical sign	Group Name	Admini	stration W	leek-day _												
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	
																_

		1	1	1	1	1	1	49-7 1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0 .	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	15000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	30000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ЕЛТН	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	1
DEATH	7500 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	1	1	1	1	2	2	2	2	2
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	U	U	Ü	U	V	V	V	V	V	U	U	v	U	U
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	Ö	0	Ö	0	0	0	Ō	Õ	Ö
	30000 ppm	0	0	0	0	Õ	0	0	0	Ö	0	0	0	0	0
			·		-			-	-	Ť	-	·	Ť	Ť	-
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	1	0	1	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	30000 ppm	0	0	ō	0	0	0	0	Ô	Ō	0	0	0	0	Õ
		-	·	·	-			-	-	·		·	·	v	·
MASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLORED	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	50	50	50	50	50	49	49	49	49	49	49	49	49	49
	15000 ppm	49	49	49	49	49	48	48	48	48	47	47	47	47	47
	30000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	ovvvv ppili	υv	υv	JV	υv	υv	50	ĐV	00	UV	UV	JV	00	00	υv
ILOERECTION	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

linical sign	Group Name	Admini	stration W	eek-day											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EATH	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	7500 ppm	1	1	1	1	1	1	1	2	2	2	2	3	3	3
	15000 ppm	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	30000 ppm	0	0	0	0	0	0	0	0	0	2	2	2	2	2
ORIBUND SACRIFICE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	7500 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	15000 ppm	1	1	1	1	1	1	2	2	2	2	2	2 0	2 0	2
	30000 ppm	0	0	0	0	0	0	0	0	0	U	0	U	U	U
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 0000E	0	0	0	0	0	0	0	0	0	0	0	0	U	U
COLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	49	49	49	49	49	49	49	48	47	47	47	46	46	46
	15000 ppm	47	47	47	47	47	47	47	46	46	46	46	46	45	45
	30000 ppm	50	50	50	50	50	50	50	50	50	48	48	48	48	48
ILOERECTION	Control	0	0	0	0	0	0 -	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

linical sign	Group Name		stration W												
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EATH	Control	1	1	1	1	2	2	2	2	2	3	3	4	4	5
	7500 ppm	3	3	3	3	3	3	3	3	3	3	3	3	4	5
	15000 ppm	3	3	3	3	3	3	5	6	6	6	8	8	8	8
	30000 ppm	2	3	3	3	3	3	3	3	3	6	7	8	8	10
ORIBUND SACRIFICE	Control	2	3	3	3	3	3	3	3	3	3	3	4	4	4
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	3
	15000 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	30000 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	3
OCOMOTOR MOVEMENT DECR	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	2
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
COLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	46	46	46	46	46	45	46	46	46	46	46	46	44	43
	15000 ppm	45	45	45	45	45	45	43	42	42	42	40	40	40	40
	30000 ppm	48	46	46	46	46	46	46	46	46	43	42	41	41	39
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	2	1	1	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : MALE

Clinical sign	Group Name	Admin	istration				
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
DEATH	Control	6	6	6	6	7	7
	7500 ppm	5	5	6	7	7	7
	15000 ppm	8	9	9	9	9	10
	30000 ppm	11	11	13	13	13	13
MORIBUND SACRIFICE	Control	4	5	5	5	5	5
	7500 ppm	3	3	3	3	3	4
	15000 ppm	3	4	6	6	6	6
	30000 ppm	4	6	6	7	7	7
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0
	7500 ppm	0	1	0	0	0	0
	15000 ppm	0	1	1	0	0	0
	30000 ppm	0	2	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	1	1
EXCITEMENT	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	2	2	0	0	0
	30000 ppm	0	1	1	0	0	0
COLORED	Control	0	0	0	0	0	0
	7500 ppm	42	42	41	40	40	40
	15000 ppm	40	37	37	34	35	34
	30000 ppm	36	33	31	30	30	30
PILOERECTION	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	1	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0

ANIMAL : RAT F344

STUDY NO.: 0224

REPORT TYPE : A1 104

SEX : MALE

Group Name Administration Week-day Clinical sign 4-7 5-7 6-7 7-7 8-7 9-7 10-7 11-7 12-713-7 14-7 1-7 2-7 3-7 TRAUMA Control 7500 ppm 15000 ppm 30000 ppm FROG BELLY Control 7500 ppm 15000 ppm 30000 ppm SOILED PERI GENITALIA Control 7500 ppm 15000 ppm 30000 ppm EXOPHTHALMOS Control 7500 ppm 15000 ppm 30000 ppm EYE HEMORRHAGIC DISCHA Control 7500 ppm 15000 ppm 30000 ppm EYE OPACITY Control 7500 ppm 15000 ppm 30000 ppm CATARACT Control 7500 ppm 15000 ppm

30000 ppm

Control

7500 ppm

15000 ppm

30000 ppm

PAGE: 9

CORNEAL OPACITY

STUDY NO.: 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

Clinical sign	Group Name	Admini	stration W	leek-day											
		15-7 1	16-7 1	17-7 1	18-7 1	19 - 7	20 - 7	21-7 1	22 - 7 1	23-7 1	24-7 1	25-7 1	26-7 1	27-7 1	28-7 1
RAUMA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name		stration W												
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
FRAUMA	Control	0	0	0	0	0	0.	0	0	0	0	0	0	0	0
INNOIN	7500 ppm	0	0	0	0	Ö	Ö	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	Ŏ	Ŏ	0	0	0
	30000 ppm	0	0	Ö	ő	ŏ	Ö	0	ŏ	Ö	Ö	Ö	0	Ö	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	-
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day _								,			
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51 - 7 1	52 - 7 1	53-7 1	54 - 7 1	55 - 7 1	56 - 7 1
		1	1	1	1	1	1	1	1	1		1			
RAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	.0	0	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	U	U	U	V	V	V	V	V	V		•	•	-	
SOILED PERI GENITALIA	Control	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0 1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	Ü	U	U	U	v	V	V	v	V	V	V	U
EXOPHTHALMOS	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	1	1 0	1 0	1 0	1 0	1	1 0	0	0	0	0	0	0
	30000 ppm	0	0	U	U	U	U	V	V	V	v	V	V	V	V
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0 0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	U	U	U	U	V	U	V	V	V
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	U	U	v	U	U	U	V	U	U	V
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	U	U	V	U	v	U	V	٧	V	v	V	V	v
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	U	U	U	U	U	U	v	U	v

ANIMAL : RAT F344

STUDY NO.: 0224

REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day _											
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DAIINA	Cantonal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRAUMA	Control 7500 ppm	0	0	0	0	0	Ő	0	Ö	0	Ö	Ö	Ö	Ö	Ö
			0	0	0	0	0	0	0	0	Ŏ	0	0	Ö	0
	15000 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30000 ppm	Ü	U	U	U				-		•	·			·
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0		
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day _											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TRAUMA	Contral	0	0	0	0	0	0	0	0	0 .	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	U	U	U	V	U	V	V	V	V	V	V	V	V
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1 0	1
	7500 ppm 15000 ppm	0	0	0	0	0	1	1	Ö	0	0	0	0	0	0
	30000 ppm	0	0	0	0	Ö	0	Ô	Õ	Ŏ	Ö	Ö	Ő	0	Ŏ
				•									_		
EXOPITHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	0	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 0000E	U	V	U	V	V	V	V	V	V	V	V	v	V	v
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 pm	0	U	U	U	U	V	v	V	U	V	V	V	V	U
EYE OPACITY	Contral	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	7500 ppm	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	15000 ppm	0	0	0	0	0	1	1	1	1	1	1	1 1	1	1 1
	30000 ppm	0	0	0	0	0	1	1	1	1	1	1	1	i	1
CATARACT	Contral	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	7500 ppm	0	0	1	1	1	1	1	2	2	2	2	2	2	2
	15000 ppm	0	0	0	0	0	1	1	1	1	1 1	1 1	1	1	1
	30000 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : RAT F344 ALL

REPORT TYPE : A1 104

STUDY NO.: 0224

SEX: MALE

Clinical sign	Group Name	Admini	stration W	leek-day											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
'RAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KAONA	7500 ppm	0	0	0	0	0	0	0	Õ	0	Ŏ	Õ	Ö	Ŏ	Ö
	15000 ppm	0	Ö	0	0	0	Ö	0	Ö	0	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	1	1	1	1	1	1	1	1	1	1	1	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30000 ppm	0	0	0	0	0	0	0	0	Ü	U	U	U	U	U
SOILED PERI GENITALIA	Control	1	0	0	0	0	0	0	0	0	0	0	1	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm 30000 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	30000 ppin	U	U	U	V	V	V	V	V	*	V		v	v	v
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	U	U	U
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 0000E	0	0	0	0	0	0	0	0	0	0	0	U	0	U
EYE OPACITY	Control	2	2	2	2	2	2	2	2	2	2	2	4	4	4
	7500 ppm	2	2	2	3	3	3	3	3	3	3	3	4 4	5 4	5 4
	15000 ppm	1	1	1	1 1	1 1	1 1	3 2	3 2	3 2	3 1	3 0	0	0	0
	30000 ppm	1	1	1	1	1	1	2	4	۷	1	V	v	v	V
CATARACT	Control	2	2	2	2	2	2	1	1	-1	1	1	3	3	3
	7500 ppm	2	2	2	3	3	3	3	3	3	3	3	4	5	5
	15000 ppm	1	1	1	1	1	1	3	3	3	3 1	3 0	4	4	4
	30000 ppm	1	1	1	1	1	1	2	2	2	1	U	U	U	U
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0.	0	0	V	U

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : MALE

Clinical sign	Group Name	99-7	istration	_			
		99- <i>i</i>	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
TRAUMA	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	1	0	0	0	0	0
	30000 ppm	0	Ö	0	0	0	0
	COUV PPIII	·	·	·	•	=	
FROG BELLY	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0
	1-1-200	-	•				
SOILED PERI GENITALIA	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	1
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	1	1
				_	_	_	_
EXOPHTHALMOS	Control	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0
EAE HEAUDHIYGIG DIGGA	Control	٥	٥	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0
	7500 ppm	0	0	-			
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0
EYE OPACITY	Contral	4	4	5	5	4	4
DID GUNGILI	7500 ppm	5	5	5	5	5	5
	15000 ppm	4	4	4	4	6	5
	3000 ppm	0	0	0	0	0	0
	Mdd nane	v	V	V	V	V	v
CATARACT	Control	3	3	4	4	4	4
	7500 ppm	5	5	5	5	5	5
	15000 ppm	4	4	4	4	6	5
	30000 ppm	0	0	0	0	0	0
	ando hhii	v		V	V	v	V
CORNEAL OPACITY	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : MALE

Clinical sign	Group Name	Admini:	stration We	eek-day											
		1-7	2-7	3-7	4-7	5-7	6-7	77	8-7	9-7	10-7	11-7	12-7	13-7	14-7
	<u> </u>	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MILKIOS SIMIBLA SI NOTTI	7500 ppm	0	0	0	0	Ö	Ŏ	0	0	Ö	0	0	Ō	Ô	0
	15000 ppm	Ö	Ŏ	Ö	Ö	0	Ö	0	0	0	0	0	0	0	Ô
	30000 ppm	ŏ	Ö	Ö	Ö	0	0	Ö	0	0	0	0	0	0	0
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0 .	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0 -	0	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PÉRI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO.: 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

Linical sign	Group Name	∆dmini	stration W												
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WIEKTOS CHANDER OF ROTTI	7500 ppm	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	Ö	Ö	Ö	Ö	Ö	Ō	0	0	0	0
	30000 ppm	0	0	Ö	0	Ö	Ö	0	Ö	0	0	0	0	0	0
KTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATERIAL INIO	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	ő	Ö	0	Ö	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	-0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : RAT F344
REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : MALE

linical sign	Group Name	Admini	stration W	eek-day											
		29-7 1	30 -7 1	31-7 1	32-7 1	33-7 1	34-7 1	35-7 1	36-7 1	37 - 7	38-7 1	39 - 7 1	40 - 7	41-7 1	42-7 1
						 									
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	. 0-	0	0	0	0	0	0
NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	U	U	0	U
.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	U	U	U	U	U	U	U
.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	U	U	U	U	U
.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	U	U	U	U	U	U	U

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

linical sign	Group Name	Admini	stration W	eek-day											
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1		1	1	1	1
										•	•	•	•	•	^
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KTERNAL MASS	Control	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	7500 ppm	0	1	1	1	2	2	2	2	2	2	2	2	2	2
	15000 ppm	0	0	0	0	0	0	0	0	0	0	1	2	2	2
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI EAR	Control	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : RAT F344

STUDY NO.: 0224

REPORT TYPE : A1 104

SEX : MALE

linical sign	Group Name	Admini	stration W	leek-day											
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
THE LOC CHANDED OF CAME	a	•	•	^	٥	0	0	0	0	۸	۸	۸	0	0	0
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	=	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	-	
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	0	0	0	.0	0	0	0	0	0	1	1	1	1	1
	7500 ppm	2	2	2	2	3	3	3	3	3	3	3	4	4	4
	15000 ppm	2	2	2	2	2	2	2	2	2	1	1	1	0	0
	30000 ppm	1	1	1	1	1	1	1	2	2	2	1	1	1	1
ITERNAL MASS	Control.	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOSE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	Ö	Õ	Ö	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	ő	Ö	ő	ő	Ŏ	Ö	Ö	Ö	Ö	Ö	Ö	0	0
PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	Ö	Ö	ō	Ö	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	Ö	Ŏ	Ö	Ö	0	Ö	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	Ŏ	0	0	0	0
	SVVVV PPIII	v	v	V	V	V	V		·	·			-	-	
HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : RAT F344

REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : MALE

Hinical sign	Group Name	Admini	stration W	leek-day _											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
VTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIERIUS CHAMBER OPACITY	Control 7500 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
				0		0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0		0			0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	U	U	U	U	V	U	V	V
XTERNAL MASS	Control	1	1	2	2	2	2	3	4	4	4	6	6 4	6 4	6
	7500 ppm	4	4	4	4	4	4	4	4	3	3	4			4
	15000 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	30000 ppm	1	2	3	3	3	3	4	4	4	3	3	3	3	3
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	1	1	1	1	1	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
.PERI MOUTH	Contral	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ŏ	Ö	Ö	Ô	0	Ö	0	0	0	0	0	0	0	0

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : MALE

linical sign	Group Name	Admin	istration	Week-day											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
										•		1	4	1	1
TERIOS CHAMBER OPACITY	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	7500 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	7	6	6	7	7	7	7	7	7	7	7	6	6	6
	7500 ppm	4	5	5	6	6	7	7	7	8	9	9	9	9	11
	15000 ppm	1	1	1	2	2	2	2	3	3	3	3	3	3	4
	30000 ppm	4	4	4	4	4	5	5	8	8	9	9	9	9	10
TTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ō	0	0	0	0	0	0	0	0	0 .	0	0	0.	0
NOSE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	15000 ppm	0	ŏ	Ö	Ō	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	Ö	ŏ	0	0	0	0	0	0	1	1	1	1	1
	JOVOV PPIII	V	V	v	v	v	v		·	·		-	_		
PERI MOUTH	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1	1	. 1	1	1	1	1	1	1
.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	0	0	0	Ō	Ô	Ō	ō	1	1	1	1	1	1	1
PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	Ö	Ō	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	Ö	0	0	Ö	Ö	Ō	0	0	0	0	0	0	0	0
		1	1	1	0	0	0	0	0	0	0	Ŏ	0	0	Ö
	30000 ppm	1	1	1	U	v	v	v	-		-		-	ŭ	
HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	0

STUDY NO.: 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

Clinical sign	Group Name	Admin	istration	Week-day			
otimode sign	di dop Rallio	99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
					<u></u>		
ANTERIOS CHAMBER OPACITY	Control	1	1	1	1	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	Ŏ	Ŏ	0	Ö	Ö
	JUVV ppili	V	V	V	V	V	V
EXTERNAL MASS	Control	7	7	7	8	8	8
	7500 ppm	11	11	12	12	12	13
	15000 ppm	4	4	7	7	7	6
	30000 ppm	9	6	8	8	8	10
INTERNAL MASS	Control,	0	0	0	0	0	0
	7500 ppm	1	1	0	0	0	0
	15000 ppm	0	0	1	0	0	0
	30000 ppm	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1
A BEET NOTHIN							
M.PERI MOUTH	Control	1	1	1	1	1	1
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	1	0	0	0
	30000 ppm	0	0	1	1	1	2
v. Fub							
M.EAR	Control	0	0	0	0	0	0
	7500 ppm	1	1	-1	1	1	1
	15000 ppm	1	1	1	1	1	1
	30000 ppm	1	1	1	0	0	0
A DEDI ETD	C	0	•	•	0	^	٥
M.PERI EAR	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0
M.HEAD	Control	٥	٥	۸	۸	۸	۸
H. HEAD	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	ook-day											
Stillicat Sign	di dab ivallia	1-7	27	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
1.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	, 0	0	0	0	0	0	0	0	0	0	0	0
1.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 0000E	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W												
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
	a	٨			٥	٥	۸	0	0	0	0	0	0	0	0
M.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	-	•	•	-		-	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANUS	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : RAT F344 REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : MALE

Clinical sign	Group Name	Admin	istration W	leek-day _											
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
								•	•	•	0	^	٥	0	0
I.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0		0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 mqq	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	30000 ppm	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
•	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
1.ANUS	Control	0	0	0	0	0	0	0	0	0	0	. 0	0	0	(
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : MALE

linical sign	Group Name	Admini	stration W												
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
										•	•	•	٥	٥	0
I.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

linical sign	Group Name	Admini	stration W	eek-day _											
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FORETHB	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	Ô	0	0	0	0	0	0	0	0	0
	30000 ppm	ŏ	Ö	0	0	0	0	0	1	1	1	0	0	0	0
.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0 1	0 1	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	-	_	-	_
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0 1	0 1	0 1	0 1	0
	7500 ppm	1	1	1	1	1	1	1	1	1 0	1	1	1	0	0
	15000 ppm	0	0	0	0	0	0	0	0	-	_	_	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	U	U	V
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	-	0	0	0	0
	15000 ppm 30000 ppm	1 0	1	1	1 0	1 0	1 0	1	0	1 0	0	0	0	0	0
	MINT OVOOR	V	V	V	V	V	v	v	-		_	Ť			_
I.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	v	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ANUS	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	U	v	
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BAIS3

ANIMAL : RAT F344

STUDY NO.: 0224
ANIMAL: RAT F344
REPORT TYPE: A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W												
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
I.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.BREAST	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
1. DREAGI			0	0	0	Ŏ	Ö	Ö	0	0	0	0	0	0	0
	7500 ppm	0	•						_	_	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0					
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. ABDOMEN	Contral	0	0	1	1	1	1	1	2	2	2	2	2	2	2
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	Ô	0	0	0	Ō	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	Ö	0	0	0	0	0	0	0
	30000 mqq	U	U	v	v	Ų	V	v	v	V	V	v	v	v	v
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	0	0	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	1	1	i	i	1	1	1	1	1	1	1	1	1
	OUVU PPIII	v	•	•	-										
M.POSTERIOR DORSUM	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	Ō	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	1	1	1	1	1	i	1	1	1	1	1	1
	SUUVU PPM	U	U	1	1	1	1	1	1	1	1	1	•		•
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	30000 ppm	0	0	0	0	0	0	1	1	1	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	(
H.GENTINGIA	7500 ppm	0	0	0	0	0	Ö	0	Ö	0	0	0	0	0	(
		-				0		0	0	0	0	0	0	0	
	15000 ppm	0	0	0	0		0								
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
M. ANUS	Control	1	1	1	1	1	1	1	1	1	1	2	2	2	2
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
		0	0	0	0	0	Ö	Ö	Ö	Ŏ	0	Ö	0	0	
	30000 ppm	V	v	v	U	v	v	V	v	v	v	•	•	•	,

ANIMAL : RAT F344 REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : MALE

(HAN190)

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linical sign	Group Name	Admini	stration W												
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	Ö	0	0	0	Ô	0	0	0	0	0	0	0
	30000 mqq	U	U	U	V	V	U	V	V	V	V	v	v	v	v
.BREAST	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30000 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
ADDONEN	C	0	1	1	2	2	2	2	2	2	2	2	2	2	2
. ABDONEN	Control	2	1										2	2	2
	7500 ppm	1	1	1	2	2	2	2	2	2	2	2			
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	1	1	0	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. M. I EM I ON . DOMOGN	7500 ppm	1	2	2	2	2	3	3	3	3	3	3	3	3	3
		_	0	0	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0									2	2	2	2	3
	30000 ppm	1	1	1	1	1	1	1	1	1	4	2	4	2	J
.POSTERIOR DORSUM	Control	1	1	1	1	.1	1	1	1	1	1	1	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1	1	2	2	2	2	2	2	3
	avvvv hhii	1	1	ī	1	1		1	2	<i>-</i>	H	-	-	_	J
HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCKITALIA		•	•	-	0	0	0	0	0	0	0	0	0	0	1
	7500 ppm	0	0	0						_		=	-		
	15000 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	30000 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
.ANUS	Control	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	7500 ppm	0	0	0	0	0	0	0	- 0	0	0	0	0	0	0
	15000 ppm	0.	0	0	0	0	0	Ŏ	ŏ	Ő	Ŏ	0	0	0	0
					0	0	0	0	0	0	0	0	0	0	Ö
	30000 ppm	0	0	0	υ	U	U	V	. 0	U	U	U	U	U	U

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : MALE

Clinical sign	Group Name	Admin	istration	Week-day			
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
M.FORLIMB	Control	0	0	0	0	0	0
M. FORLIND	7500 ppm	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0
	30000 ppm 30000 ppm	0	0	0	0	0	0
	Mdd nnnne	V	v	v	v	v	v
M.BREAST	Control	1	1	1	2	2	2
	7500 ppm	1	î	ī	1	1	1
	15000 ppm	1	1	1	2	2	2
	30000 ppm	1	Ô	0	1	1	1
	COUGO PPIII	*	v	v	•	•	•
M.ABDOMEN	Control	2	2	2	2	2	2
	7500 ppm	3	3	4	4	4	5
	15000 ppm	0	0	1	1	1	1
	30000 ppm	0	0	1	0	0	0
W LVMPPLAR BARAVIV			•	•		0	•
M.ANTERIOR.DORSUM	Control	0	. 0	0	0	0	0
	7500 ppm	3	3	3	3	3	3
	15000 ppm	1	1	1	1	1	1
	30000 ppm	4	4	4	4	4	5
M.POSTERIOR DORSUM	Control	1	1	1	1	1	1
n.iosienion bonson	7500 ppm	1	1	1	1	1	1
	15000 ppm	0	0	1	1	1	1
		3 -	1	1	1	1	1
	30000 ppm	3 ·	1	1	1	1	1
M.HINDLIMB	Control	0	0	0	0	0	0
	7500 ppm	Ö	0	ŏ	0	Ŏ	0
	15000 ppm	Ö	Ŏ	0	0	0	Ö
	30000 ppm	Ö	Ö	0	Ō	0	0
M.GENITALIA	Control	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1
	15000 ppm	1	1	1	1	1	0
	30000 ppm	1	1	1	1	1	1
W ANDC	C+1		0	n	n	0	0
M.ANUS	Control	2	2	2	2	2	2
	7500 ppm	0	0	0	0	0	0
	15000 ppm 30000 ppm	0	0	0	0	0	0
	avvvv hbill	v	U	V	J	v	V

STUDY NO.: 0224 CLINICAL OBSERVATION (SUMMARY)
ANIMAL: RAT F344 ALL ANIMALS

REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEMI A	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	Ō	0	Ö	Ö	Ō	0	0	0	Ō	0	0	0	0
SWELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	ŏ	0	Ö	0	Ö	0	Ō	0	0	0	0	0	0	0
	15000 ppm	0	0	Ö	Ö	Ö	0	Ö	0	0	Ö	0	0	Ö	Ŏ
	30000 ppm	0	0	Õ	0	0	Ö	ő	Ö	0	0	0	0	0	Õ
	SOOO PPIII	V	V	v	V	V	v	v	v	v	v	v	v	J	·
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101.000010	7500 ppm	0	0	0	0	Ö	Ŏ	0	Ö	Ö	ő	ő	0	Ö	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Midd AAAAC	v	v	V	V	V	v	v	v	V	v	v	V	V	J
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	Ö	0	0	Ö	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	Ŏ	0	0	Ö	0	0	Ô	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	Ö	0	0	ő	0	ő	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mdd noore	U	U	U	v	v	v	v	v	V	v	V	V	v	U

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	leek-day											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
													_		
ANEM I A	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0 .	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IAUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

30000 ppm

BAIS 3

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

linical sign	Group Name	Admini	stration W	leek-day											
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
															
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day										··	
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	Ö	0	ŏ	Ö	0	0	Ö	Ŏ	0	Õ	Õ	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 mag	v	V	U	U	V	v	V	v	v	V	V	V	v	U
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	ő	0	0	Ö	Ö	Ŏ	0	Ö	Ō	0	0	0	0	0
	15000 ppm	0	0	0	0	Ö	0	0	Ö	Ö	Ô	0	0	Ö	0
		0	0	0		0	0	0	0	0	0	0	0	0	0
	30000 ppm	U	U	U	0	U	U	U	U	U	V	U	U	V	U
VELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENORMANUE	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
													-	•	
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	Ö	Ö	Ö	0	Ö	0	Ō	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEGODAN DALAHIING	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				•	-				0	0	0	0	0	0	1
	15000 ppm	0	0	0	0	0	0	0				-		-	-
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30000 ppm	0	Ö	0	Ö	0	0	0	0	Ö	ő	o 0	0	0	Ô

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admin	istration W	leek-day											
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEMIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AUNDISE	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
WELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	- 0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ō	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	Ō	Ö	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name		stration W												
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
								•			•	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	1	1	0	0	-	0	0
	7500 ppm	0	0	0	0	0	0	1	1	0	0	0	0	-	-
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
AUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	0	Ö	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	30000 ppm	0	Ö	0	Ö	Ö	0	0	0	0	0	0	0	0	0
WELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	(
WELLING		-	-	0	0	0	0	0	Ö	Ŏ	Ŏ	Ŏ	0	0	(
	7500 ppm	0	0		_			0	0	0	Ö	Ő	ő	Ö	Ò
	15000 ppm	0	0	0	0	0	0			0	0	0	0	0	(
	30000 ppm	0	0	0	0	0	0	0	0	U	V	V	U	V	,
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
CORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	30000 ppm	Ő	Ŏ	Ō	0	0	0	0	0	0	0	0	0	0	(
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	(
AMEGORIAL DIMITALITY	7500 ppm	Ö	0	0	0	0	0	0	0	0	0	0	0	0	(
	15000 ppm	0	0	Ŏ	0	0	0	1	0	0	0	0	0	0	(
		0	0	0	0 .	0	0	0	0	0	Ö	Ō	0	0	
	30000 ppm	V	U	V	V	V	V	V	v			-	-		
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	-	
	15000 ppm	0	0	0	0	0	- 0	1	0	0	0	0	0	0	:
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : MALE

Clinical sign	Group Name	Admin	stration W	eek-day											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEMIA	Control	1	0	0	0	0	0	1	1	1	1	1	1	1	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	mqq 0000E	0	0	0	0	0	0	0	0	0	0	0	0	1	0
AUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	1	0	1	1	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	1	0	0	0	0	0	0	0	0	0	0	1	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	15000 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	2
ABNORMAL RESPIRATION	Control	1	0	0	0	0	0	0	0	0	0	0	1	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	15000 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	2

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : MALE

Clinical sign	Group Name	Admin	istration	Week-day _			
rather and and		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
ANTONIA	O I	0	1	1	1	1	1
ANEMIA	Control	2				3	3
	7500 ppm	0	2	1	1		
	15000 ppm	1	1	0	0	0	1
	30000 ppm	0	0	0	0	0	1
TAUNDICE	Control	0	0	0	0	0	0
JAUNDISE			0	0	0	0	0
	7500 ppm	0	-				
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0
ODUCTA	C	0	0	0	0	0	0
CRUSTA	Control			0	0	0	0
	7500 ppm	0	0				
	15000 ppm	0	0	1	1	1	1
	30000 ppm	0	0	0	0	0	0
SWELLING	Control	1	1	0	0	0	0
SWELLING			0	0	0	0	0
	7500 ppm	0					0
	15000 ppm	0	0	0	0	0	
	30000 ppm	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0
HEHVIIIIME	7500 ppm	0	0	0	Ŏ	0	ő
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0
TORTICOLLIS	Contral	0	0	0	0	0	0
TORETOODLES	7500 ppm	0	0	0	0	Ö	Ö
				0	0	0	0
	15000 ppm	1	0	0	0	0	0
	30000 ppm	0	Ü	U	U	U	U
IRREGULAR BREATHING	Control	0	0	0	0	0	0
Impovem bumining	7500 ppm	ŏ	1	0	0	0	0
	15000 ppm		2	2	Ö	0	0
		1	2	1	0	0	0
	30000 ppm	V	۷	1	U	V	V
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0
	7500 ppm	0	1	0	0	0	0
	15000 ppm	1	2	2	0	0	0
	30000 ppm	Ô	2	1	0	Ŏ	Ō
	Sanna bhill	·	_	-	•	•	=

STUDY NO. : 0224 ANIMAL : RAT F344 CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

REPORT TYPE : A1 104

SEX : MALE

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Clinical sign	Group Name	Admini	stration We	eek-day											
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
						•	•	٥	0	0	٥	0	٥	٨	٥
IEMATURIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	-	0	0	٥	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	U	U	U
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

STUDY NO.: 0224
ANIMAL: RAT F344
REPORT TYPE: A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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linical sign	Group Name	Admini	stration W	eek-day											
		15-7 1	16-7 1	17-7 1	18-7 1	19 - 7	20-7 1	21-7 1	22-7 1	23-7 1	24-7 1	25-7 1	26-7 1	27-7 1	28-7 1
						-									
EMATURIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW CRINE	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	o o	o o	Ŏ	Ō	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0
	20000 bbiii	V	v	v	v	·	·	v							
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	00000 PPIII												•		^
DLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIDMONIAL TELL	7500 ppm	n	0	0	ŏ	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	n	0	Ő	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	ő	Ö	Ö	0	0	0	0	0	0
	30000 ppm	U	v	v	V	v	•	v	·	•	-	=			

(HAN190)

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

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Clinical sign	Group Name	Admini	stration W	eek-day											
		29-7 1	30 - 7	31-7 1	32 -7 1	33-7 1	34-7 1	35-7 1	36-7 1	37-7 1	38-7 1	39-7 1	40-7 1	41-7 1	42-7 1
		· · · · · ·													
IEMATURIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW UNINE	7500 ppm	ñ	0	Ô	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	Ô	0	0	Ö	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	Õ	0	0	0	0	0	0	0	0	0	0
	Sooo ppiii	ŭ	v	· ·	_	-									
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINIO DIVOD	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
										_			•	•	^
OLIGO-STOOL	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	U
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

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Clinical sign	Group Name	Admini	stration W	eek-day _											
		43-7	44-7	45-7	46-7 1	47-7 1	48-7 1	49 - 7 1	50-7 1	51 - 7	52-7 1	53-7 1	54-7 1	55 - 7 1	56-7 1
		1	1			<u> </u>									
IEMATURIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	U
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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ANIMAL : RAT F344
REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : MALE

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linical sign	Group Name	Admini	stration W	leek-day _											
		57-7 1	58-7 1	59-7 1	60 - 7	61 - 7 1	62 -7 1	63-7 1	64-7 1	657 1	66-7 1	67 - 7 1	68 -7 1	69 - 7 1	70-7 1
EMATURIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	С
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(

(HAN190)

STUDY NO.: 0224
ANIMAL: RAT F344
REPORT TYPE: Al 104

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Admini	stration W	eek-day											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EMATURIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0 -	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
LIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104 CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 47

Clinical sign	Group Name	Admini	stration W	leek-day											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EMATURIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	2
LIGO-STOOL	Control	2	0	0	0	0	0	0	0	0	0	0	1	1	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	15000 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	30000 ppm	2	0	0	0	0	0	0	0	1	0	0	0	1	2
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

STUDY NO.: 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

cal sign	Group Name	Admin	istration !	Week-day _					
		99-7	100-7	101-7	102-7	103-7	104-7		
		1	1	1	1	1	1		
				•	•	0	0		
URIA	Control	0	0	0	0	0	0		
	7500 ppm	0	0	0	0	0	0		
	15000 ppm	0	0	0	0	0	0		
	mqq 0000E	0	0	0	0	0	0		
URINE	Control	0	0	0	0	0	0		
W OILLING	7500 ppm	0	0	0	0	0	0		
	15000 ppm	0	0	0	0	0	0		
	30000 ppm	0	0	0	0	0	0		
	Ooooo ppiii	·	·	·	•	•	•		
ST00L	Contral	0	0	0	0	0	0		
	7500 ppm	1	1	0	0	0	0		
	15000 ppm	1	1	1	0	0	0		
	30000 ppm	0	2	0	0	0	0	•	
TOOL .	Control	1	. 0	0	0	0	0		
	7500 ppm	1	1	0	0	1	1		
	15000 ppm	1	1	1	0	0	0		
	30000 ppm	0	2	1	0	1	1		
RMAL TEMP	Control	0	0	0	0	0	0		
	7500 ppm	0	1	0	0	0	0		
	15000 ppm	0	0	0	0	0	0		
	30000 ppm	0	1	0	0	0	0		

APPENDIX A 2

CLINICAL OBSERVATION (TOW-YEAR STUDY: SUMMARY)

RAT: FEMALE

ANIMAL : RAT F344

REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : FEMALE

inical sign	Group Name	Admini	stration We	eek-day											
		1-7 1	2-7 1	3-7 1	4-7 1	5-7 1	6-7 1	7-7 1	8-7 1	9-7 1	10-7 1	11-7 1	12-7 1	13-7 1	14-7 1
							-		-					-	
EATH	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DRIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	U	U	U	U	U
DOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
STING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	3
	15000 ppm	0	0	0	0	4	5	5	5	7	13	13	13	13	23
	30000 ppm	0	0	1	3	6	10	13	13	17	23	25	25	27	33
LOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	1	0	0	0	0	U	U	U	U	V
SS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W												
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
					_			•	•	0	0	٥	0	0	0
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0			
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	7500 ppm	9	50	50	50	50	50	50	50	50	50	50	49	50	50
	15000 ppm	36	50	50	50	50	50	50	50	50	50	50	50	50	50
	30000 ppm	41	50	50	50	50	50	50	50	50	50	50	50	50	50
PILOERECTION	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	(
LOSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15000 ppm	Ō	0	0	0	0	0	0	0	0	0	0	0	0	
	30000 ppm	ŏ	Õ	Ö	0	0	0	0	0	0	0	0	0	0	

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W												40.5
		29-7 1	30-7 1	31-7 1	32-7 1	33-7 1	34-7 1	35-7 1	36 -7 1	37-7 1	38 - 7	39-7 1	40-7 1	41-7 1	42-7 1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	15000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	30000 ppm	50	50	50	50	50	50	49	49	49	49	49	49	49	49
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
LOSS OF HAIR	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : RAT F344 REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : FEMALE

linical sign	Group Name	∆dmini	stration W	eek-day		,									
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ЕАТН	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EAIR				0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0												
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	Ö	0	0	Ö	Ō	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	0	0	0	0	0	0	0	0	0	Ô	0	0	0
	COOO PPIII	v	v	v	v	v	v	·		·	·	v			•
ASTING	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	50	50	50	49	49	49	49	49	49	49	49	49	49	49
	15000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	30000 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49
PILOERECTION	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ō	Ö	0	Ō	Ō	0	0	Ō	0	0	0	0	0	0
OSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	ŏ	ő	0	0	0	Ö	Ô	0	Ö	Ö	0	0	0	0
	30000 ppm	0	0	0	0	0	0	- 0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

linical sign	Group Name	Admini	stration W	eek-day _											
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
Name	Constrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EATH	Contral 7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	ő	0	0	Ŏ	0	Ŏ
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	2
ORIBUND SACRIFICE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0 2	0 3	0 3	0 4
	30000 ppm	0	0	0	0	1	1	2	2	2	2	4	ა	ა	4
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm 30000 ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	20000 bbu	v	V	v	-		-				•	•	•	-	
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	U	U	V	V	V	V	V	V	V		-	·	v	•
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0 1	0	0	0	0	0	0	0	0	0	0
	30000 ppm	U	U	U	1	U	V	V	V	V	V	•		v	
OLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	15000 ppm	50	50	50	50	50 48	50 48	50 47	50 47	50 47	50 47	50 47	50 46	50 46	50 45
	mqq 0000E	49	49	49	49	48	46	41	41	41					
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	30000 ppm	U	U	v	1	v	V	v	V	V	v	v	-	_	•
OSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	U	0	V	U	U	V	U

ANIMAL : RAT F344
REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : FEMALE

linical sign	Group Name	Admini	stration W	leek-day											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ЕАТН	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAIN	7500 ppm	0	0	0	0	0	0	1	1	1	i	i	1	1	1
	15000 ppm	0	0	. 0	0	0	Ö	0	0	0	î	1	1	1	1
	30000 ppm	2	2	2	3	4	7	9	9	10	10	11	11	11	11
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	30000 ppm	4	4	4	4	4	5	5	5	6	8	8	8	8	8
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	.0	0
	30000 ppm	0	0	0	0	1	0	0	0	0	1	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	48	48	48	48	48	48	47	47	47	47	47	47	47	46
	15000 ppm	50	50	50	50	50	50	50	50	50	49	49	48	48	48
	30000 ppm	44	44	44	43	42	38	36	36	34	34	31	31	30	30
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
OSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1

ANIMAL : RAT F344

STUDY NO.: 0224

REPORT TYPE : A1 104

SEX : FEMALE

linical sign	Group Name		stration W	eek-day _											
		85-7 1	86-7 1	87 - 7	88-7 1	89- 7 1	90-7 1	91 -7 1	92 - 7	93-7 1	947 1	95-7 1	96 -7 1	97-7 1	98-7 1
												_			
EATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	2	2	3	3	4	4	4
	15000 ppm	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	30000 ppm	12	12	12	13	13	13	13	13	14	14	15	15	15	15
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	1	1	1	2	2	2	3
	7500 ppm	3	3	3	3	3	3	3	3	3	3	4	5	5	5
	15000 ppm	2	2	2	3	3	3	3	5	5	5	5	7	7	7
	30000 ppm	8	10	11	11	11	11	11	11	11	12	12	12	12	12
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	1	0	1	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	2	1	1	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	0	0	0	0	1	0	0
	15000 ppm	1	0	0	0	1	1	1	1	0	0	0	0	0	0
	30000 ppm	0	1	1	1	1	1	1	1	1	0	0	0	0	0
OLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	46	46	46	46	46	46	46	45	45	44	43	42	41	41
	15000 ppm	48	47	47	46	46	45	45	45	43	43	43	42	41	41
	30000 ppm	30	29	27	26	26	26	26	26	25	24	23	23	23	23
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : FEMALE

Clinical sign Group Name Administration Week-day 103-7 104-7 99-7 100-7 101-7 102-7 DEATH Control 7500 ppm 15000 ppm 30000 ppm MORIBUND SACRIFICE Control 7500 ppm 15000 ppm 30000 ppm LOCOMOTOR MOVEMENT DECR Control 7500 ppm 15000 ppm 30000 ppm HUNCHBACK POSITION Control 7500 ppm 15000 ppm 30000 ppm WASTING Control 7500 ppm 15000 ppm 30000 ppm COLORED Control 7500 ppm 15000 ppm 30000 ppm PILOERECTION Control 7500 ppm 15000 ppm 30000 ppm LOSS OF HAIR Control 7500 ppm

BAIS 3

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15000 ppm

30000 ppm

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : FEMALE

linical sign	Group Name	Adminis	stration We												
		1-7	2-7	3-7	4-7	5-7	6-7	77	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
						•	0	•	0	^	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	•		-	•
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	1	1	1	1	1	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	Ö	Ö	Ö	0	Ö	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0
	Mdd nnne	U	v	v	v	v	V	V		v	-	·	-		
UM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	0	Ö	Ö	0	0	0	0	0	0	0	0	0	0
	CCCCC PMIII	•	·	·	•	•	-	-	-						
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	15000 ppm	Ö	Ö	Ö	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	ő	Ö	Ô	0	Ō	0	0	0	0	0	0	0	0	0
			v	·	-						-		-		_
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	ő	Ŏ	Ŏ	0	0	0	0	0	0	0	0	0	0	0
		٧	-	·	·	•		-	-		-				-
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO.: 0224
ANIMAL: RAT F344
REPORT TYPE: A1 104

SEX : FEMALE

SEX : FEMALE															11100 - 0
Clinical sign	Group Name	Admini	stration W	eek-day											
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. Mod BELLI	7500 ppm	0	0	Ő	Ŏ	0	Õ	ŏ	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	Ŏ	ŏ	Ŏ	0	0	0	0	0	0	0
	30000 ppm	0	ő	Ö	0	Ö	0	0	0	0	0	0	0	0	0
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	1	1	1	1	1	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	•	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0		0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	U	0	U	U	U
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	=	=
	15000 ppm	0	0	0	0	0	0	0	0 -	0	0	0	0	0	0
	Mqq 0000E	0	0	0	0	0	0	0	0	0	0	U	U	0	U
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	ŭ	0	•
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7 500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ü
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000	0	Λ	0	0	0	n	Λ	Λ	Λ	٥	٥	٥	٥	()

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PAGE: 57

30000 ppm

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	istration W	eek-day											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
											•	•	•	•	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED PERI GENITALIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	1	1	1	0	0	0	0	0	0	0
XOPHTHALMOS	Control	0	0	0	0	.0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TUM .	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 0000E	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W												
		29-7 1	30-7 1	31-7 1	32-7 1	33-7 1	34-7 1	35-7 1	36-7 1	37-7 1	38-7 1	39-7 1	40-7 1	41-7 1	42-7 1
	<u>, , , , , , , , , , , , , , , , , , , </u>	 · -													
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COILED PERI GENITALIA	Control	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	1	1	1	1	1	1	1	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	1	1	1	1	1	1	1	1	1	1	1	1
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	1	1	1	1	1	1	1	1	1	1	1	1
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

linical sign	Group Name	Admini	stration W	eek-day _								··· ··			
		43-7 1	44-7 1	45-7 1	46-7 1	47-7 1	48 - 7 1	49 - 7 1	50-7 1	51 - 7 1	52-7 1	53-7 1	54-7 1	55-7 1	56 -7 1
								4.,							
ROG BELLY	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	U	U	U	U	V
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	•	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1 0	1 0	1	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	U	U	U	U
М	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	•	•	-
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	U	U	U	U	V	V	v
YE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	U	U	U	U .	U	U	U	U	V	V
YE OPACITY	Control.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	15000 ppm	0	0	0	0 1	0 1	0 1	0 1	1	1	1	1	1	1	1
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0 1	0 1	1	0 1	1	1	1	1	1	1	1	1	1
	30000 ppm	1	1	1	1	1	1	1	1	1		1	•	-	
ORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0		-	0	0	0	0	0	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	U	U	U	U	U	v	v	U	v	U	V

ANIMAL : RAT F344 REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : FEMALE

Clinical sign	Group Name		istration W	leek-day _			,								
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65~7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOO DEELI	7500 ppm	0	0	0	0	ő	0	0	0	0	0	Ō	0	0	0
	15000 ppm	0	0,	0	0	0	Ŏ	0	0	0	0	Ô	0	0	0
	30000 ppm	ő	0	0	0	0	ő	0	Ö	Ö	Ō	0	0	0	0
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTELD TERT GENTIABLA	7500 ppm	0	Ŏ	0	Ö	Ö	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	Ö	Ö	Ö	Ŏ	0	0	0	0	0	1
	30000 ppm	0	0	Ö	Ö	ő	Ö	0	Ö	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANI IIIIALIOS	7500 ppm	0	0	0	0	0	0	Ö	Õ	Ŏ	0	Ö	0	Ö	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	Ô	0	Ô	0	0	Ô	0	ō
	20000 Phill	V	V	V	V	•						-			
MU	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	15000 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : RAT F344

REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
-		71-7 1	72-7 1	73-7 1	74-7 1	75-7 1	76-7 1	77-7 1	78-7 1	79-7 1	80 - 7	81-7 1	82 - 7 1	83-7 1	84 - 7
		1				1				<u> </u>	<u> </u>			<u>.</u>	
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	0	0	1	2	2	2	2	0	0	0	1	1	. 1
	30000 ppm	0	0	0	1	2	0	0	0	1	3	2	1	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	U	0
MUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	U	0	U	U	U	V
EYE HEMORRHAGIC DISCHA	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0 1	- 0	0	0	0
	30000 pm	0	0	0	0	0	U	U	U	U	1	. 0	V	v	V
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	2	2	3	3 3	3 3	2
	15000 ppm	2	2	2	3 2	3	ა 1	3 1	3 1						
	30000 ppm	2	2	2	Z	Z	Z	Z	2	2	2	1	1	1	1
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	2	2	3	3	3	2
	15000 ppm	1	1	1	2	2	2	2	2	2 2	2 2	2	2 1	2 1	2
	30000 ppm	2	2	2	2	2	2	2	2	Z	Z	1	1	1	1
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1 0	1	1 0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	υ	U	U

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : FEMALE

linical sign	Group Name	Admin	istration W	leek-day											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
					•	•	•	•	•	0	•	•	^	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	0	2	1	3	2	1	1	0	0	0	0	0	1
	30000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm .	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	1	0	0	. 0	0	0	0	0	0	0	0	0	0
YE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	1	1	1	1	1	1	0	0	1	1
	7500 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	15000 ppm	3	3	3	4	4	4	4	4	4	4	4	4	4	4
	30000 ppm	i	1	1	i	1	i	1	1	Ö	Ō	0	0	0	0
ATARACT	Contral	0	0	0	0	0	0	0	0	0	1	0	0	1	1
-	7500 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	15000 ppm	2	2	2	3	3	3	3	3	3	4	4	4	4	4
	30000 ppm	1	1	1	1	1	1	1	1	0	0	0	0	0	0
ORNEAL OPACITY	Control	0	0	0	0	1	1	1	1	1	1	0	0	0	0
JOHNSON OF BOTT	7500 ppm	0	Ö	0	0	0	0	0	Ô	Ô	Ô	0	0	Ö	Õ
	15000 ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	U	U	U	U	V	v	v	v	v	V	v	V	V	v

STUDY NO.: 0224 ANIMAL : RAT F344 REPORT TYPE: A1 104

SEX : FEMALE

Clinical sign	Group Name	Admin	istration	Week-day			
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
FROG BELLY	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	1	0	0	0
	30000 ppm	0	Ŏ	Ô	Ö	Ö	0
	gooo ppiii	v	v	·	•	•	•
SOILED PERI GENITALIA	Control	0	0	0	0	0	1
	7500 ppm	0	0	0	0	0	0
	15000 ppm	1	3	1	0	0	2
	30000 ppm	0	0	0	0 -	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1
	30000 ppm	0	0	0	0	0	0
CIIV	C	^	۸	۸	Λ	۸	۸
GUM	Control	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0
DID ADMONIMMOTO PIONIN	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	0	0	ŏ	0
	30000 ppm	0	0	0	0	0	0
	SAAAA PIDIII	U	U	v	U	v	U
EYE OPACITY	Control	1	2	2	2	2	2
	7500 ppm	1	1	1	1	1	1
	15000 ppm	4	4	3	3	3	3
	30000 ppm	0	0	0	0	0	0
	OVVVV PPIII	v	v	٧	V	v	v
CATARACT	Control	1	2	2	2	2	2
	7500 ppm	1	1	1	1	1	1
	15000 ppm	4	4	3	3	3	3
	30000 ppm	0	0	0	0	0	0
	2444 Ebil	·	Ť	-	-	-	=
CORNEAL OPACITY	Control	0	0	. 0	0	0	0
	7500 ppm	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		1-7	2-7	3-7	4-7	5-7	6-7	7~7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
KTERNAL MASS	Cantral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VIEWNE LINOS	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0		0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	U	U	0	V	U	U	V	V	U	U	V	v	V	v
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	•
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	U
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI EAR	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	Ō	Ō	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	0	Ō	0	0	Ō	0	0	0	0	0	0	0	0

ANIMAL : RAT F344

STUDY NO.: 0224

REPORT TYPE : A1 104

SEX : FEMALE

		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
WINDS WAR			•	•	0	•	•		^	۸	٥	٥	٥	٥	٨
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0 .	0	0	0	0	0	0	0	0	0	0
I.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	Ö	0	0	Ō	0	0	0	0	0	0	0	0	0	0
	30000 ppm	ő	0	Ö	Õ	0	Ö	Ö	Ö	0	0	0	0	Ō	0
	OUUU PPIII				-					_	-	v		-	
1.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0 -	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	· 0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	0	0	ŏ	Ö	Ö	0	0	ō	Ō	0	0	0	0
1.BREAST	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	Õ	0	0	0	0	0	0	0	0	0	0	C
	15000 ppm	0	0	0	0	0	0	ő	0	0	0	Ö	0	Ŏ	Ő
	30000 ppm	0	0	0	0	0	0	0	Ő	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

linical sign	Group Name	Admini	stration W	leek-day _											
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
							, · · · - · · · · · · · · · · · · · ·								
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
······································	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	U	U	U	U	U	U	U	U	U	U	U	U	U	U
.ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
·· Linit	7500 ppm	0	0	0	0	0	0	. 0	0	Ö	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	ő	0	0	0	0	0	0	0	0	0
(DEDI ELD		^	^	•	0		0	0	^		0	0	0	0	•
f.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	Ō	0	0	0	0	0	Ō	Ö	0	Ö

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STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : FEMALE

linical sign	Group Name	Admini	stration W	eek-day											
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1 .	1	1	1	1	1	1	1	1	1	1	1
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATEMAE MOO	7500 ppm	Õ	0	0	0	Ö	1	1	1	1	1	1	1	Ĭ	i
	15000 ppm	Ö	Ŏ	Ö	0	Ŏ	0	0	Õ	Õ	0	0	0	0	0
	30000 ppm	0	1	. 1	1	1	1	1	2	2	2	2	2	2	2
VTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0				0	0	0	0	0	0
	15000 ppm	0	0 1	0 1	0 1	0 1	0 1	0 1	0 1	1	1	1	1	1	1
	30000 mqq	U	1	1	1	1	1	1	1	1	1	1	1	1	1
ORAL CAVITY	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	U	U	U	U	U
.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1

STUDY NO.: 0224
ANIMAL: RAT F344
REPORT TYPE: A1 104

SEX : FEMALE

linical sign	Group Name		stration W	leek-day _											
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
XTERNAL MASS	Control	0	0	0	0	0	0	1	1	0	0	0	0	0	0
MILIMID IMOD	7500 ppm	1	i	1	1	1	1	1	1	1	1	2	2	2	2
	15000 ppm	0	0	0	0	0	0	0	0	0	1	0	0	1	1
	30000 ppm	2	2	1	1	1	1	1	1	1	2	2	1	1	2
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	30000 ppm	1	1	. 0	0	0	0	0	0	0	0	0	0	0	0
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	. 0	0	0	0	0	0	0	0	0	0	0	-	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0		0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	U
1.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	•	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	U	U	U	U	v	U
1.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0		0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	-	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	U	0	U	U
BREAST	Control	0	0	0	0	0	0	0	0.	0	0	0 1	0 1	0 1	0
	7500 ppm	0	0	0	0	0	0	0	0	0	_	-	_	0	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0 1	1	0 1
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

linical sign	Group Name	Admin	stration W	eek-day _											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
															0
KTERNAL MASS	Control	0	0	0	0	0	0	0	0	1	1	1	1	2	2
	7500 ppm	2	2	2	2	3	3	2	2	3	4	4	4	4	4
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	2	3	3	3	3	3	3	3	3	3	2	2	3	3
ITERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 pm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI MOUTH	Control	0	0	0	0	0	0	0	0	1	1	1	1	2	2
	7500 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	2
	15000 ppm	0	0	0	0	0	0	0	Ò	0	0	0	0	0	0
	30000 pm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 pm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI EAR	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.BREAST	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	i	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name		stration W	eek-day _											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
											•	•	•		0
EXTERNAL MASS	Control	2	1	1	1	1	2	2	2	2	3	3	3	3	2
	7500 ppm	4	4	4	5	4	5	5	5	5	5	6	6	5	5
	15000 ppm	1	1	1	1	1	1	1	2	1	2	2	2	1	3
	30000 ppm	2	2	2	2	3	3	3	4	3	3	3	3	3	4
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	30000 ppm	1	1	0	0	0	0	0	0	0	1	0	0	0	0
I.PERI MOUTH	Control	2	1	1	1	1	1	1	1	1	1	1	1	1	1
	7500 ppm	2	2	2	2	2	2	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 pm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	1	1	1	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	1	1	1	1	1	1	1	1	0
	7500 ppm	1	1	1	1	1	2	2	1	1	1	2	2	2	2
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	0	0	0	0	0	0	1	1	1	1	1	1	1

STUDY NO.: 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

inical sign	Group Name	Admin	istration	Week-day _				 	
_		99-7	100-7	101-7	102-7	103-7	104-7		
		1	1	1	1	1	1		
TERNAL MASS	Control	3	3	4	4	4	6		
	7500 ppm	5	5	6	6	6	7		
	15000 ppm	3	5	5	3	4	4		
	30000 ppm	4	4	3	2	4	4		
TERNAL MASS	Control	0	0	0	0	0	0		
	7500 ppm	0	0	0	0	0	0		
	15000 ppm	1	1	0	0	0	Ŏ		
		0	0	0	0	0	0		
	mqq 0000E	v	V	U	v	V	V		
PERI MOUTH	Control	1	1	1	1	1	1		
	7500 ppm	1	1	1	1	1	1		
	15000 ppm	0	0	0	0	0	0		
	30000 ppm	1	1	1	1	1	1		
ORAL CAVITY	Control	0	0	0	0	0	0		
J	7500 ppm	0	0	1	1	1	1		
	15000 ppm	Ö	0	0	0	1	1		
	30000 ppm	Ö	Ö	Ō	0	0	0		
MANDIDIII AD	Control	0	0	0	0	0	0		
.MANDIBULAR		0	0	0	0	0	0		
	7500 ppm								
	15000 ppm	0	0	0	0	0	0		
	30000 ppm	0	0	0	0	1	1		
EAR	Control	1	1	1	1	1	2		
	7500 ppm	0	0	0	0	0	0		
	15000 ppm	0	0	0	0	0	0		
	30000 ppm	0	0	0	0	0	0		
PERI EAR	Control	0	0	0	0	0	0		
Dilli	7500 ppm	0	ŏ	Ö	Ö	0	0		
	15000 ppm	Ŏ	Ö	Ö	Ö	0	Ö		
	30000 ppm	0	0	0	0	0	0		
	Sooo pplii	v	V	V	V	v	V		
BREAST	Control	0	0	0	0	0	0		
	7500 ppm	2	2	2	2	2	2		
	15000 ppm	0	0	0	0	0	0		
	30000 ppm	1	1	1	1	1	1		

STUDY NO.: 0224 ANIMAL : RAT F344 REPORT TYPE: A1 104

1 77	stration W		,	5-7		7_7		9_7	10-7	11-7	19-7	13-7	14-7
		Administration W	Administration Week-day _	Administration Week-day									

Clinical sign	Group Name	Admini	stration W	eek-day											
		1-7 1	2-7 1	3-7 1	47 1	5-7 1	6 - 7	7 - 7	8-7 1	9 - 7	10 - 7 1	11 -7 1	127 1	13 - 7 1	14 - 7 1
						1							<u> </u>		
. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 00008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	.0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	. 1	1	1	1	1	1
A. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	0	0	Ŏ	Ö	Ō	Ō	Ō	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	ō	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	Ō	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	ŏ	Ö	Ö	Ö	Ö	Ö	Ö	0	Ö	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	ő	Ö	Ö	Ō	Ö	0	Ö	Ö	0	0	0	0	0	0
ILCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	0	Ö	ő	Ö	Ö	Ŏ	Ŏ	0	Ô	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX: FEMALE

linical sign	Group Name	Admini	stration W	leek-day _											
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 DEOXEN	C. trad	0	0	0	0	۸	0	0	0	0	0	0	0	0	0
. ABDOMEN	Control	0	0	-	-	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0			-	•	•		=	=	•
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	Ō	0	0	Ō	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	Ö	0	0	0	Ö	0	0	0	0	0	0	0	0
		v	v	v	Ů						-	-	Ť	-	-
I.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	- 0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1	0	0	0	0	0	0	0	0
I.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	ŏ	Ö	Ô	Ö	0	Ö	Ō	Ō	0	0	0	0	0	0
JLCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	Õ	0	0	Ô	0	0	0	0	0	0	0	0	0	0
	15000 ppm	Ö	0	0	Ŏ	Ö	Ŏ	0	Ö	Ö	Ö	Ö	0	Ö	ő
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	Ü	U	U	U	U	U	U	v	v	

ANIMAL : RAT F344
REPORT TYPE : A1 104

STUDY NO.: 0224

SEX : FEMALE

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Clinical sign	Group Name	Admini	stration W	leek-day											
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	1	1	1	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	.0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	- 0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	1	0	0	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	Ö	ŏ	Ö	0	0	Ö	Ö	Ö	Ö	0	0	0	0

STUDY NO.: 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
· · · · · · · · · · · · · · · · · · ·	. =	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	Ŏ	Ō	Ö	Ö	0	0	0	0	0	0	0	0	0
	15000 ppm	Ö	0	0	Ö	Ö	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	Õ	0	0	0	0	0	0	Ô
	SAAAA AAIII	V	V	v	V	V	v	V	v	V	Ü	v	•	•	•
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	30000 ppm	0	0	0	0	Ö	Ö	0	0	Ô	1	1	0	0	1
	avvvv ppili	V	V	V	V			•	·	-	•	-	·		_
I.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	ő	Õ	0	0	0	Ō	0	0	0	0	0	0	0	0
	15000 ppm	0	Õ	0	0	0	0	Ö	Ŏ	0	Ö	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 HHII	v	v	v	V	v	v	•	v	v	v	v	J	v	v

STUDY NO.: 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

linical sign	Group Name	Admini	stration We	ek-day										····	
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83−7	84-7
	,	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADDOVEN	Continu	0	^	٥	٥	٨	٥	٥	0	٥	٥	0	0	0	0
. ABDOMEN	Control	0	0	0	0	0	0	0 1	0 1	0 1	0 1	1	1	1	0
	7500 ppm	0	0	0	-	1	0	_	_	-			_		
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	Ö	0	0 .	0	0	0	0	0	0	1	1	1	1	1
	30000 ppm	0	0	Ō	Ō	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	1	1	1	0	0	1	1	1	1	1	1
	15000 ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1	1	1	1	1	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	30000 ppm	Ö	1	1	1	1	1	1	1	1	1	1	1	1	1
ANEM I A	Control	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	7500 ppm	1	1	1	1	1	1	0	0	0	0	0	0	0	0
	15000 ppm	0	ō	ō	0	2	2	2	2	2	1	1	0	0	0
	30000 ppm	Ō	0	0	0	0	0	0	0	1	1	0	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	ő	0	ő	Ö	0	0	0	0	Ŏ	Ö	0	0	0	Ŏ
	30000 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0

STUDY NO.: 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
-	,	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95~7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
					_						•	•		•	
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	7500 ppm	1	1	1	1	1	1	2	3	3	3	3	3	3	3
	15000 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	3
	30000 ppm	0	0	0	0	1	1	1	1	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	1	1	1	0	0	0	0	0	0	0
	15000 ppm	0	0	2	1	1	1	0	1	0	0	0	. 0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : FEMALE

Clinical sign	Group Name	Admin	istration	Week-day _					
-		99-7	100-7	101-7	102-7	103-7	104-7		
		1	1	1	1	1	1		
W ADDOVEN						•			
M. ABDONEN	Control	0	0	0	0	0	0		
	7500 ppm	0	0	0	0	0	1		
	15000 ppm	0	0	0	0	0	0		
	30000 ppm	. 1	1	1	0	0	0		
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0		
	7500 ppm	0	0	0	0	0	0		
	15000 ppm	0	0	0	0	0	0		
	30000 ppm	0	0	0	0	0	0		
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0		
	7500 ppm	0	0	0	0	0	0		
-	15000 ppm	0	0	0	0	0	0		
	30000 ppm	0	0	0	0	0	Ō	•	
	COULD PAIN	•	•	•	•	•	•		
M.HINDLIMB	Control	0	0	0	0	0	1		
	7500 ppm	0	0	0	0	0	0		
	15000 ppm	0	1	1	0	0	0		
	30000 ppm	0	0	0	0	0	0		
M.GENITALIA	Control	1	1	2	2	2	2		
THE SHALL SH	7500 ppm	3	3	3	3	3	3		
	15000 ppm	3	4	4	3	3	3		
	30000 ppm	0	0	Ô	0	1	ĭ		
	OGGGG PPIII	V	V	V	v	•	*		
M.TAIL	Control	0	0	0	0	0	0		
	7500 ppm	0	0	0	0	0	0		
	15000 ppm	0	0	0	0	0	0		
	30000 ppm	1	1	0	0	0	0		
ANEMIA	Control	0	0	0	0	1	1		
NILIIIA	7500 ppm	1	1	1	0	0	0		
	15000 ppm	0	0	0	0	0	0		
	30000 ppm	1	1	1	1	1	0		
	avvvv ppin	1	1	1	1	1	V		
ULCER	Control.	0	0	0	0	0	0		
	7500 ppm	0	0	0	0	0	0		
	15000 ppm	0	0	0	0	0	0		
	30000 ppm	0	0	0	0	0	0		

(HAN190)

STUDY NO.: 0224 ANIMAL: RAT F344 REPORT TYPE: A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini:	stration W	eek-day											
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
	· · · · · · · · · · · · · · · · · · ·	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Duga	a		•	0	0	0	•	•			٥	0	0	0	^
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	_	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	Ö	Ö	Ŏ	Ö	Ö	0	Ö	0	0	Ō	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
broning habitantion	7500 ppm	0	0	0	0	0	Ô	Ŏ	0	0	0	0	0	Ö	Ö
	15000 ppm	Ö	0	Ö	0	0	0	Ö	0	Ö	0	0	0	Ő	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 Pptill	v	V	V	v	V	V	V	V	V	V	V	V	U	V
RADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
OOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	Ō	Ö	Ō	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0
	30000 ppm	0	0	0	Ö	0	0	0	Ö	ő	0	0	0	0	0
WHI CTOOL	C		^	0	0	0	0	^	0	0	0	٥	0	٥	^
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0.	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

linical sign	Group Name	Admini	stration W	eek-day											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOSIA	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1114 0000	v	V	U	U	V	V	U	V	v	V	V	V	V	V
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	Ō	0	0	0	0	0	0	0
		-	-		-			-							
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OOSE STOOL	Control	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
0.000	7500 ppm	0	0	0	Ö	ő	Ô	Ö	0	Ö	0	0	Ŏ	Ö	0
	15000 ppm	0	0	0	ő	ŏ	0	Ö	0	0	0	Õ	Ö	Ö	0
	30000 ppm	0	0	0	0	0	0	Ö	0	0	0	0	0	0	ő
	OVVVV PPIII	V	V	V	v	v	v	V	V	V	v	v	٧	v	•
IALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.IGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21001	7500 ppm	0	0	0	0	0	Ö	0	Ö	0	Õ	0	0	0	0
	15000 ppm	0	0	0	0	0	Ö	0	Ö	0	0	Ŏ	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	annn bbW	v	U	U	v	v	v	U	v	v	v	v	v	v	V

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name		istration W												
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RUSTA	Control	0	0	0	0	0	0	0	0	0	۸	۸	٥	٥	٥
ROSIN	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0
EMORRHAGE	Control	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ô	Ö
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	leek-day											
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILOT I	0	0	0	0	0	•	0	0	٥	0	٥	0	•	٥	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7500 ppm	0	0	0	0	0	0	0	0	0	1	0	1	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	Õ	Ö	0	0	0	0	0	0	0	0	0
	15000 ppm	ō	ō	Ō	Ŏ	ŏ	ŏ	Ö	Ŏ	Ŏ	ŏ	Ö	Ő	Ô	Ö
	30000 ppm	0	0	0	0	ő	0	0	0	0	0	0	0	. 0	0
	ovvv ppiii	V	v	V	v	v	v	v	v	v	v	v	V	v	V
RADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OOSE STOOL	Control	0	0	0	0	0	0 .	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ō	0	0	Ō	0	0	0	0	0	0	0	0	0	0
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	Ö	0	0	0	Õ	0	Ö	Ö
	30000 ppm	Ö	0	Ŏ	0	0	Ö	0	ő	ŏ	ő	Ö	0	ő	0
LIGO-STOOL	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 21002	7500 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	midd anne	v	U	v	U	v	v	v	v	v	v	V	U	v	V

STUDY NO.: 0224 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : FEMALE

linical sign	Group Name	Admini	stration W												
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
D.V.om.		•	•	•	•										
RUSTA	Control	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	1	2	1	1	1	1	1	1	1	1
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MORRHAGE	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	1	1	0	1	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	1	0	0	1	1	1	2	1
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	1
NORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	1
ADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	1
IGO-STOOL	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	1	0	1	0	0	0	0	0	0	0	1

STUDY NO.: 0224

ANIMAL : RAT F344

REPORT TYPE : A1 104

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Clinical sign	Group Name	Admini	stration W	leek-day _											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RUSTA	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	1	1	1	1	2	3	2	2	. 1	1	1	0	0	0
	30000 ppm	0	0	0	0	1	0	0	0	0	0	1	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	Ö	Ō	Ō	Ö	Ö	0	0	0	0	2	0	0	0	ō
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	Ō	0	0	Ö	Ö	0	0	Ö	0	0	0	Ô	1	0
	15000 ppm	ŏ	Ö	Ö	Ŏ	Ŏ	Ŏ	0	Ŏ	Ŏ	Ö	Ö	Õ	Ō	0
	30000 ppm	0	0	0	0	0	0	0	0	0	2	0	0	0	0
	COUCO PPIII	V	v	v	v	·	Ů	v	v	v		V	v	v	v
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	Ö	Ö	0	Ŏ	Ô	Ŏ	Ô	Ö	Ö	0	0	Ö	ů	0
	15000 ppm	0	Ŏ	Ö	0	0	0	Ő	0	0	0	Ö	0	0	0
	30000 ppm	Ö	Ö	ő	Ö	ŏ	ŏ	Ö	ő	ő	ő	ő	Ő	ő	0
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0.	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		-		0	0		-		-	0	-	0	-	0	
	30000 ppm	0	0	U	U	0	0	0	0	U	2	U	0	U	0
LIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	2	0	0	2	0	2	0	0	0	0

ANIMAL : RAT F344
REPORT TYPE : A1 104

STUDY NO.: 0224

SEX: FEMALE

Clinical sign	Group Name	Admini	stration (leek-day _											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RUSTA	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3.031 n	7500 ppm	Ô	0	0	0	Ô	Ô	0	1	1	1	1	1	1	1
	15000 ppm	1	1	1	1	1	1	1	1	1	1	î	1	1	1
	30000 ppm	1	1	1	1	1	1	1	1	1	0	Ô	0	0	Ô
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	15000 ppm	0	1	1	1	1	1	1	1	0	1	0	0	0	0
	30000 ppm	0	0	0	0	0	0	1	1	0	0	0	0	0	0
RREGULAR BREATHING	Contral.	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	30000 ppm	0	1	0	0	0	0	0	0	1	0	0	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	30000 ppm	0	1	0	0	0	0	0	0	1	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Contral	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	2	0	1	1
	15000 ppm	1	0	0	0	0	0	0	1	0	0	0	0	0	0
	30000 ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
DLIGO-STOOL	Control	0	0	0	0	0	0	1	1	0	0	0	0	1	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	15000 ppm	0	0	1	0	1	0	0	1	0	0	0	1	0	0
	30000 ppm	1	2	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admin	istration	Week-day _									
		99-7	100-7	101-7	102-7	103-7	104-7	_					
		1	1	1	1	1	1						
								_					
CRUSTA	Control	1	1	1	1	1	0						
	7500 ppm	1	1	1	1	1	1						
	15000 ppm	1	1	1	1	1	1						
	30000 ppm	0	0	0	0	0	Ō						
HEMORRHAGE	Control	0	0	0	0	0	0						
	7500 ppm	0	Ö	Ö	ő	Ö	. 0						
	15000 ppm	0	Ö	0	Ö	Ö	0						
	30000 ppm	0	0	0	0	0	0						
ADDROUG AD DESCRIPTION													
IRREGULAR BREATHING	Control	0	0	0	0	0	0						
	7500 ppm	0	1	1	0	0	0						
	15000 ppm	0	0	0	0	1	1						
	30000 ppm	0	0	0	0	0	0						
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0						
	7500 ppm	0	1	1	0	0	0						
	15000 ppm	0	0	0	0	1	1						
	30000 ppm	0	0	0	0	0	Ô						
BRADYPNEA	Control	0	0	0	0	0	0						
	7500 ppm	0	0	0	0	0	0						
	15000 ppm	0	0	0	0	0	0						
	30000 ppm	0	0	0	0	0	0						
LOOCE CTOOL		•											
LOOSE STOOL	Control	0	0	0	0	0	0						
	7500 ppm	0	0	0	0	0	0						
	15000 ppm	0	0	0	0	0	0						
	30000 ppm	0	0	0	0	0	0						
SMALL STOOL	Control	0	0	0	0	0	1						
	7500 ppm	1	1	1	0	0	ō						
	15000 ppm	ō	3	2	Ō	Ŏ	Ö						
	30000 ppm	Ö	0	0	1	1	0						
OLITOR OFFICE			•	-									
OLIGO-STOOL	Control	0	0	0	1	1	1						
	7500 ppm	0	0	0	0	0	0						
	15000 ppm	0	2	1	0	0	0						
	30000 ppm	0	1	0	2	1	0						

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Admini	stration We	eek-day											
		1-7 1	2-7 1	3-7 1	4-7 1	5-7 1	6-7 1	7-7 1	8-7 1	9-7 1	10-7 1	11-7 1	12-7 1	13-7 1	14-7 1
OTTO TO THE TOTAL TITLE										^		^		^	^
SUBNORMAL TEMP	Control 7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	٥	٥	0	0	0	٥
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Admini	stration W	leek-day											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
	·-··	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	٥	٥	0	0	0	0	٥	٥
BODNORIME TEM	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 91

Clinical sign	Group Name	Admin	istration W	leek-day _											
		29 - 7 1	30-7 1	31 - 7	32-7 1	33 - 7	34-7 1	35-7 1	36-7 1	37 - 7 1	38-7 1	39-7 1	40-7 1	41-7 1	42-7 1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	Ö	Ö	Ö	Ö	Ö	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

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SEX : FEMALE

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Clinical sign	Group Name	Admin	istration W	leek-day											
		43-7 1	44-7 1	45-7 1	46-7 1	47-7 1	48-7 1	49-7 1	50-7 1	51 -7 1	52 - 7 1	53-7 1	54-7 1	55-7 1	56-7 1
SUBNORMAL TEMP	Control	0	^	0	٥	0	0	۸	0				^		^
SODIVORING TEM	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	Ō	0	0	Ö	0	Ö	Ö	ő
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX: FEMALE

PAGE: 93

Clinical sign	Group Name	Admini	stration W	eek-day _											
		57-7 1	58-7 1	59 - 7 1	60 -7 1	61 - 7	62 - 7	63-7 1	64-7 1	65 - 7	66-7 1	67-7 1	68-7 1	69 -7 1	70-7 1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	٥	Ω	٥
	7500 ppm	Ō	0	Ö	Ö	Ö	ŏ	Ö	Ŏ	Ö	Ö	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 94

Clinical sign	Group Name	Admini	stration W	eek-day _											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15000 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	30000 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 95

Clinical sign	Group Name	Admini	stration W	eek-day _											
		85-7 1	86-7 1	87-7 1	88-7 1	89-7 1	90-7 1	91 - 7 1	92 - 7 1	93-7 1	94-7 1	95-7 1	96-7 1	97-7 1	98-7 1
SUBNORMAL TEMP	Control	0		0	^	0		Δ			^				
DODRORING TEM	7500 ppm	0	0	0	0	0	- 0 0	0	0	0	0	0	0 1	0	0
	15000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	Ō	0
	30000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admin	istration	Week-day _				· · · · · · · · · · · · · · · · · · ·
		99-7 1	100 - 7 1	101-7 1	102-7 1	103-7 1	104-7 1	
SUBNORMAL TEMP	Control	0	0	0	0	0	0	
	7500 ppm	0	0	0	0	0	0	
	15000 ppm	0	0	0	0	0	0	
	30000 ppm	0	0	0	0	0	0	
(HAN190)								BAIS

APPENDIX A 3

CLINICAL OBSERVATION (TOW-YEAR STUDY: SUMMARY)

MOSUE: MALE

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

STUDY NO. : 0225

ANIMAL : MOUSE BDF1

REPORT TYPE : A1 104

Clinical sign	Group Name	Admini	stration W	eek-day											
• • • •	,	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Joseph Markhall Phon	10000 ppm	Ŏ	0	0	0	0	0	Ö	0	0	0	Ő	0	ő	ő
	20000 ppm	0	0	0	0	Ö	Ö	Ö	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 PDIII	U	U	U	V	V	v	V	V	V	V	v	V	v	V
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
_	10000 ppm	Ö	Ö	0	Ŏ	Ö	0	Ŏ	Ô	0	Ô	0	0	0	Ö
	20000 ppm	0	0	0	ő	Ö	Ö	ŏ	Ö	Ŏ	0	0	Ö	0	Ö
	40000 ppm	0	Ö	Ö	Ö	Ö	Ö	0	ő	Ö	Ő	Ŏ	ő	ŏ	0
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200011001 10th	10000 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	U	v	U	U	U	U	U	U	V	U	U	v	U	U
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO.: 0225 CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23~7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ONT DON'D BROKET TOD	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			-		0	0	0	0	0	0	0	0	0		
	40000 ppm	0	0	0	U	V	U	U	U	V	U	U	U	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	Ö	0	Ŏ	Ö	0	Ö	0	Ö	Ö	Õ	0	0	ő	Ö
	40000 ppm	0	0	0	0	Ö	Ö	0	0	0	0	0	0	0	0
	40000 ppiii	V	V	V	v	V	V	V	v	V	v	V	V	v	V
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	ő	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm 40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	V	V	V	U	v	V	v	U	U	U	U	U	U	Ü
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0		0				0	•	0				
				0		0	0	0		0		0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : MOUSE BDF1

STUDY NO.: 0225

REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W												
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EATH.	0		0		٥	^	•		0	•	0	0		٥	0
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	Ô	Ŏ	Ŏ	Ô	Ö	ŏ	Ö	Ŏ	Ö	Ö	0	0	Ö	0
	40000 ppm	ŏ	ő	ő	Ö	Ö	0	Ö	Ö	ő	Ö	ŏ	ő	Ö	0
VASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	Ö	Ö	0	0	0	0	Õ	0	0
	20000 ppm	Ö	Ô	0	Ö	ŏ	Ŏ	Ö	Ö	Ö	Ŏ	0	0	0	Ö
	40000 ppm	0	0	0	0	0	Ö	Ö	Ö	Ö	Ö	ő	0	ő	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	Ő	0	0	0	Ö	Ŏ	ő	0	0	0	Ö
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	Ö	Õ	ő	0	0	0	0	0	0	ő
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	Ô	Ő	0	0	0	0	0	ő
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			0	0		0	0	0	0		0	0			
	40000 ppm	0	U	U	0	v	U	v	U	0	U	v	0	0	0

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	leek-day _											
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
AT A TUI	Constract	0		^	0	0	٥	0	٥	٥	•	0	•	0	
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	-		•		0		•	0	0	-	0	-	-
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	•	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
ORIBUND SACRIFICE	Control	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	0	0	Ö	0	Ö	Ö	0	Ö	0	0	Ö	0	0
	20000 ppm	Ö	0	Ö	Ö	Ö	Ŏ	Ŏ	0	Ŏ	0	0	Ö	0	0
	40000 ppm	Ō	0	Ō	Ō	0	Ō	Ō	Ö	Ö	0	Ö	0	Ō	Ö
VASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANDI ING	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 0000	v	V	v	V	V	V	V	V	v	v	V	V	V	V
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	Ō	0	Ö	0	Ö	Ö	Ō
	40000 ppm	Ö	Ö	Õ	Ö	Ō	Ö	Ö	0	Ô	Ō	0	Ö	0	Õ

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

linical sign	Group Name		istration W												
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ЕАТН	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
LAIII	10000 ppm	0	0	0	0	0	0	0	0.	0	0	1	1	1	1
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	1	1	1	1	2	2	2	2	3	3	4	4	6	6
	40000 ppili	1	1	1	1	4	2	4	4	J	J	4	4	Ü	b
ORIBUND SACRIFICE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	40000 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	ŏ	Ö	Ö	ŏ	Ŏ	Ô	Ö	Õ	0	0	Ö	Ŏ	0
	20000 ppm	Ö	ő	0	0	0	0	0	0	0	0	0	0	0	Ö
	40000 ppm	0	0	0	0	0	0	0	0	0	Ő	0	Ö	0	Ö
														-	·
INCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	Ō	Ō	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	0
	40000 ppm	Ö	Ö	Ö	Ö	Ö	Ö	0	0	ő	Ö	Ö	ő	ŏ	Ö
DILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JILL	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm 40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 Phili	V	v	v	v	v	U	V	U	U	U	U	V	U	U
LOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	10000 ppm	Ŏ	Ö	0	Ö	Ö	Ö	0	Õ	0	0	- 0	0	Ö	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 PPIII	v	v	v	v	U	v	v	v	v	v	v	V	v	J

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name		istration W												
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ЕАТН	Control	1	1	1	1	2	2	3	3	3	5	5	5	5	5
LATH	10000 ppm	1	1	1	1	1	1	2	2	2	2	2	2	2	3
	20000 ppm	0	0	1	1	2	3	3	3	3	3	3	3	3	3
	40000 ppm	6	6	7	7	7	7	7	7	8	8	8	8	8	9
ORIBUND SACRIFICE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	1
	20000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	2	2
	40000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	Ō	0	0	0	0	Ō	Ō	0	Ō	Ŏ	Ö	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TONOMENON TODATA	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	40000 pplit	U	V	V	U	V	V	U	1	V	U	U	U	U	U
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	Ō	0	0	Ö	0	0	Ö	Ö	0	Ō	0	Ö	Ö	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	Ő	0	0	0	0	ő	0	0	0	Ö	0
	20000 ppm	0	0	Ö	1	1	1	1	1	1	1	1	1	1	1
	40000 ppm	1	1	1	1	1	2	2	2	1	1	1	2	2	1
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THOU DELLET	10000 ppm	0	0	0	0	0	0	0	0	-	0	•	•	-	-
			-							0	•	0	0	0	1
	20000 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

linical sign	Group Name	Admini	stration W	eek-day											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EATH	Control	5	5	5	5	5	5	5	7	7	7	7	7	7	7
	10000 ppm	3	3	4	4	4	4	5	5	5	5	6	6	8	9
	20000 ppm	3	5	5	5	5	6	6	7	7	7	8	9	10	10
	40000 ppm	9	9	9	10	11	11	12	13	13	14	14	15	15	15
DRIBUND SACRIFICE	Control	1	1	1	1	1	1	1	1	1	1	1	2	2	3
	10000 ppm	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	20000 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	40000 ppm	1	1	1	1	1	1	2	2	2	2	2	2	2	3
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	Ö	0	Ö	0	0	Ö	0	Ö	0
	40000 ppm	0	0	Ŏ	ő	0	Ö	Ö	Ö	0	Ö	Ö	0	Ö	0
UNCHBACK POSITION	Control	0	. 0	0	0	0	0	1	0	0	0	0	0	0	1
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	ō
	20000 ppm	Ö	Ö	Ö	0	Ö	Ö	Ö	Ö	0	Ö	0	0	0	0
	40000 ppm	Ö	0	0 .	ő	Ö	Ö	Ö	Ö	0	Ö	ő	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0
	40000 ppm	0	Ö	0	Ŏ ·	Ö	Ö	Ö	0	Ö	0	0	ő	ő	0
OILED	Control	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	Ō	0	0	0	Ö	0	Ŏ	ŏ	0	0	Ö	0	0	0
	40000 ppm	ő	Ö	Ö	ő	Ö	Ö	ő	Ö	Ö	Ö	Ö	Ö	Ö	0
LOERECTION	Control	0	1	1	1	1	3	3	2	2	2	2	1	1	1
	10000 ppm	0	0	0	0	0	ī	0	0	0	2	1	î	ô	Ô
	20000 ppm	2	1	1	1	1	2	2	i	1	1	1	1	1	2
	40000 ppm	0	0	0	ō	0	1	0	0	0	0	0	0	Ô	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ō	0	Ŏ	Ö	Ö	Ö	Ö	Ŏ	Ö	Ö	Ö	Ö	Ö	0
	20000 ppm	0	0	0	0	ő	0	0	0	0	Ö	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	IIIdd ooost	v	v	v	v	V	v	V	v	v	U	U	V	U	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admin	istration	Week-day _				 		
		99-7	100-7	101-7	102-7	103-7	104-7			
		1	1	1	1	1	1			
								 	· · · · · · · · · · · · · · · · · · ·	
DEATH	Control	8	8	8	11	12	12			
	10000 ppm	9	9	11	11	12	12			
	20000 ppm	11	12	12	13	14	15			
	40000 ppm	15	16	16	17	20	21			
ORIBUND SACRIFICE	Control	3	3	3	3	3	4			
	10000 ppm	3	3	3	3	3	3			
	20000 ppm	3	5	5	5	5	5			
	40000 ppm	3	3	4	4	4	4			
OCOMOTOR MOVEMENT DECR	Contral	0	0	0	0	0	0			
	10000 ppm	1	0	0	0	0	0			
	20000 ppm	0	0	0	0	0	0			
	40000 ppm	0	0	0	0	0	0			
UNCHBACK POSITION	Control	0	. 0	0	0	0	0			
TOTAL TOTAL TOTAL	10000 ppm	0	Ö	Ö	0	0	0			
	20000 ppm	0	Ö	Ö	0	0	Ö			
	40000 ppm	Ö	Ö	Ö	ő	Ö	0			
VASTING	Control	0	0	0	0	0	0			
*NOT ING	10000 ppm	0	0	0	0	0	0			
	20000 ppm	0	0	0	0	0	0			
		0	0	0	0	0				
	40000 ppm	U	U	U	U	U	0			
SOILED	Control	0	0	0	0	0	0			
	10000 ppm	0	0	0	0	0	0			
	20000 ppm	0	0	0	0	0	0			
	40000 ppm	0	0	0	0	0	0			
PILOERECTION	Control	1	1	2	2	3	3			
	10000 ppm	0	0	0	0	0	0			
	20000 ppm	2	1	1	1	1	2			
	40000 ppm	0	0	0	0	0	0			
FROG BELLY	Contral	0	0	0	0	1	1			
	10000 ppm	0	0	Ö	0	ō	ō			
	20000 ppm	Ö	Ö	Ö	Ö	Ŏ	Ö			
	40000 ppm	ŏ	ő	Ö	ŏ	Ŏ	Ö			

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOLLED DEDL GEVLELLA			•	•											
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
	20000 ppm	0	0	0	0	0	0	0	0	0	Ō	0	0	Ö	o O
	40000 ppm	0	0	Ō	0	0	Ō	0	Ö	Ö	Ö	Ô	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	Ô	0	0	0
	20000 ppm	0	0	0	0	0	Ö	0	Ô	Ö	Ö	0	0	Ö	0
	40000 ppm	Ö	0	Ö	0	ő	ő	0	ő	Ö	Ö	ŏ	Ö	Ö	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	Ō	0	0	Ö	Ö	Ö	Ö	Ö	Ö	Ŏ
	20000 ppm	0	Ō	0	0	Ö	Ö	0	Ö	Ö	ŏ	0	0	0	0
	40000 ppm	Ô	Ö	Ö	Ö	Ö	ŏ	Ö	ŏ	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ŏ	0	0	Ö	Ö	Ö	0	0	0	0	0	0	0	0
	20000 ppm	Ö	0	Ö	0	Ö	0	0	0	0	0	0	0	0	0
	40000 ppm	Ö	0	0	0	0	0	Ö	0	0	0	0	0	0	0
1.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	FAAAA PHII	V	v	v	V	v	V	U	U	v	V	U	U	U	V
1.EYE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	Ō	Ō	Õ	Ö	Ö
	40000 ppm	0	Ō	0	0	0	0	0	Ö	Ö	Ŏ	ŏ	Ô	Õ	Ö

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORNEAL OPACITY	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	20000 ppm	0	0	0	0	0	0	0	Ō	Ö	0	Ö	0	Ö	Ö
	40000 ppm	0	0	0	0	0	0	0	0	0	Ö	Ō	0	Ö	0
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	o o
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	Ŏ	0	0	0	Ö	Ö
	20000 ppm	0	0	Õ	0	Ö	0	ő	0	0	0	Ŏ	0	0	0
	40000 ppm	0	0	Ö	Ö	Ŏ	Ö	Ö	ŏ	Ö	Ö	ő	ő	ő	0
.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	Ō	0	0	ő	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ŏ	0	Ŏ
	40000 ppm	0	0	0	0	0	0	Ō	Ö	0	0	0	Ö	Ö	0
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	Ō	0	Ö	0	Ŏ	0	Ö	0	0	0	Ő	0
	20000 ppm	Ö	Ö	Ö	Ö	Ö	Ö	Ö	0	Ö	0	0	0	0	0
	40000 ppm	0	0	Ö	Ő	0	0	0	0	0	0	0	0	0	0
	10000 ppiii	v	v	•	v	v	v	v	v	v	V	v	V	V	v

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	istration W	leek-day						*					
511115dt 515/1	di dap ridilio	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
									•/						
SOILED PERI GENITALIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.NOSE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	Ö	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

linical sign	Group Name	Admini	stration W	leek-day											
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
	· · · · · · · · · · · · · · · · · · ·	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ô	Ŏ	Ö
	20000 ppm	0	Ö	Ö	Ô	Ŏ	Ö	0	Ö	0	0	Ö	0	0	Ö
	40000 ppm	0	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	ő	ő	0	Ö	0
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	Ö	0	0	Ö	Ö
	20000 ppm	0	0	0	0	0	ŏ	0	Ö	Ö	Ö	0	0	ő	Ö
	40000 ppm	0	Ö	Ö	Ö	Ö	Ö	0	0	Ö	Ö	Ö	Ö	Ö	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	Ö	0	Ō	Ŏ	0	Ô	Ö
	20000 ppm	0	0	0	Ö	Ö	0	ŏ	0	0	0	0	0	1	1
	40000 ppm	Ö	ő	ŏ	Ö	Ö	Ö	Ö	ŏ	0	Ö	ő	0	0	1
.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	Ö
	20000 ppm	0	0	0	0	0	0	Ō	0	Õ	0	Ŏ	Ŏ	Õ	Ö
	40000 ppm	0	0	Ŏ	0	Ö	0	Ö	ő	0	0	Ö	0	0	0
I,EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	Ö	0	Ö	Ö	Ô	Ŏ	0	0
	20000 ppm	ő	Ö	0	0	Ö	ő	ŏ	0	0	0	0	0	0	Ö
	40000 ppm	Ŏ	0	Ô	Ö	0	0	0	0	0	0	0	0	0	0
	#VVVV PP(II	V	U	U	V	U	U	υ	v	V	U	U	U,	U	U

STUDY NO.: 0225 CLINICAL OBSERVATION (SUMMARY) ANIMAL: MOUSE BDF1 ALL ANIMALS REPORT TYPE: A1 104

SEX : MALE

Clinical sign	Group Name	Admin	istration W	eek-day											
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OILED PERI GENITALIA	Control	0	0	^	0	٥	٥	0	٥	•	•	•	•	•	•
DUILED FERT GENTIALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	Ō	0	0	0	Ö	Ő	Ô	0	0	0	0	Ö	0
	20000 ppm	ŏ	0	0	0	0	ő	0	0	0	0	0	0	0	0
	40000 ppm	ő	0	Ö	Ö	ő	ő	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	. 0	0	^	0	0	•	0	•		•			•
SOUNDARY OF HOTTI			0	v	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm 20000 ppm	0	•	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	1	1	ī	1	0	Ö	Ö	Ö
	20000 ppm	1	0	0	0	0	0	Ō	0	Ō	Ô	0	0	0	Ö
	40000 ppm	1	Ö	Ö	Ö	ő	ŏ	Ö	Ö	Ö	Ö	. 0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	۸	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0				-	-	-	-	-	0
			0	0			0	0	0	0	0	0	0	0	0
	40000 ppm	0	U	U	0	0	. 0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admin	istration 🎚	leek-day											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OILED PERI GENITALIA	Combus	٨	٨	0	0	٥	٥	•	٥	0	0	0	٥	•	•
OILED FERT GENTIALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	40000 ppm	0	0	0	0	0	0	0	0	0	1	î	1	1	1
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	Ŏ	Ö	0	Ô	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	Ő	0	0	0	0	0	0	0	0	-		
		0	0									-	0	0	0
	40000 ppm	U	U	0	U	0	0	0	0	0	1	1	1	1	1
ORNEAL OPACITY	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0 .
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
EXTERNAL MASS	Control	0	0	1	1	1	1	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	1	1	2	1	2	2	2	2	2	2	2
	20000 ppm	0	Ō	0	Õ	0	0	Ô	0	0	0	0	0	0	0
	40000 ppm	Ö	Ö	Ö	Ö	Ö	Ö	0	Ö	0	0	0	1	1	0
INTERNAL MASS	Control	0	0	0	0	0	0	•	0		•	,	,		
midmid inoo	10000 ppm	0	0	0	0	0	0	0	. 2	2 0	1 1	1	1	1	1
	20000 ppm						-	U	_		_	1	1	1	1
		1	1	1	1	2	1	Ţ	1	1	1	1	1	2	2
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	1	T	1	1	1	1	1
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	0	0
M.EYE	Control	0	0	1	1	1	1	0	0	0	0	0	0	0	0
	10000 ppm	Ö	0	Ō	1	1	1	1	1	1	1	1	1	1	1
	20000 ppm	0	0	0	Ô	0	0	0	0	0 .	0	0	0	_	7
	40000 ppm	0	0	0	0	0	0	0	0	0 .	0	0	0	0	0
	40000 PAII	v	v	v	V	U	V	U	v	V	U	U	U	0	0

STUDY NO.: 0225 CLINICAL OBSERVATION (SUMMARY)
ANIMAL: MOUSE BDF1 ALL ANIMALS

REPORT TYPE : A1 104

SEX: MALE

Clinical sign	Group Name	Admini	stration W	eek-day								_			
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILED PERI GENITALIA	Contral	٥	0	0	0	٥	٥	0	1	٥	0	,	0	,	0
OTELD TENT GENTINGIA	10000 ppm	0	0	0	0	0	0	0	1	0	0	1	0	1	0
				-					0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
COPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	40000 ppm	1	1	1	1	1	1	1	1	0	0	0	1	1	1
YE OPACITY	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	Ō	0	Ō	0	0	Ŏ	ő	Ö	Ö
	20000 ppm	Ŏ	0	Õ	Ö	Ö	Ŏ	Ö	0	0	Ö	0	Ö	0	0
	40000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DRNEAL OPACITY	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
Similar of notifi	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	40000 ppm	1	1	1	1	1	1	1	1	1	1	1	1		0
	40000 ppm	1	1	1	1	i	1	i	1	1	1	1	1	1	1
KTERNAL MASS	Control	1	1	1	1	1	1	1	0	0	0	0	1	1	1
	10000 ppm	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	1	1	0	0	1	1	1	1	1	1
NTERNAL MASS	Control	1	2	2	2	2	2	2	1	1	1	1	2	2	3
	10000 ppm	1	1	0	0	0	1	0	Ô	. 0	0	0	1	1	1
	20000 ppm	2	2	2	2	2	2	2	2	2	2	2	2	1	2
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.NOSE	Control	0	0	0	0	0	0	0	0	. 0	0	0	0	0	٥
• NOOL	10000 ppm		1	-				_	-	-	0	•	0	0	0
		1	_	1	1	1	1	1	1	1	1	1	1	1	1
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	Ō	0	Ō	0	1	i	1	1	1	1

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admin	istration	Week-day									25 W. Harris	
-		99-7	100-7	101-7	102-7	103-7	104-7	-	 					
		1	1	1	1	1	1							
			*						 					
SOILED PERI GENITALIA	Control	0	Λ	۸	0	^	0							
SOILED FERT GENTIALIA			0	0	0	0	0							
	10000 ppm	0	0	0	0	0	0							
	20000 ppm	0	0	0	0	0	0							
	40000 ppm	0	0	0	1	0	0							
EXOPHTHALMOS	Control	0	0	0	0	0	0							
2	10000 ppm	0	0	0	0	0	0							
	20000 ppm													
		1	1	1	0	1	1							
	40000 ppm	0	0	0	0	0	0							
EYE OPACITY	Control	0	0	0	0	0	0							
	10000 ppm	0	0	Ö	0	0	0							
	20000 ppm	0	0	0	0	0	0							
	40000 ppm	1	1	1	1	1								
	HINT ANANA	1	1	1	1	1	1							
CORNEAL OPACITY	Control	0	0	0	0	0	0							
	10000 ppm	0	0	0	0	Ō	0							
	20000 ppm	Ö	0	0	0	Ö	0							
	40000 ppm	1	1	1	1	1	1							
	P.C.II	•	•	•	•	•	•							
EXTERNAL MASS	Control	1	2	2	2	2	2							
	10000 ppm	3	2	2	2	3	3							
	20000 ppm	0	1	1	1	1	1							
	40000 ppm	1	ī	1	ī	î	1							
				-	-	•	•							
INTERNAL MASS	Control	3	3	3	4	4	4							
	10000 ppm	1	1	1	1	0	0							
	20000 ppm	1	0	0	0	0	0							
	40000 ppm	1	1	1	1	1	Ö							
W Maga														
M.NOSE	Control	0	0	0	0	0	0							
	10000 ppm	1	1	1	1	1	1							
	20000 ppm	0	0	0	0	0	0							
	40000 ppm	0	0	0	0	0	0							
W DUD														
M.EYE	Control	0	0	0	0	0	0							
	10000 ppm	1	1	1	1	1	1							
	20000 ppm	0	0	0	0 1	0	0							
	40000 ppm	1	1	1	1	1	1							

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini:	stration W	eek-day											
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	Ō	0
I.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.POSTERIOR DORSUM	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	Ö	0	Ö	Ö	0	Ö
	40000 ppm	0	0	0	0	0	0	0	0	0	Ō	0	Ö	Ö	Ö
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
	40000 ppm	0	0	0	0	0	0	0	Ō	Ö	0	0	0	Ö	0
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	Ō	Ō	0	Õ	Ö	Ö

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	leek-day											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IEMI A	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
	20000 ppm	0	0	0	0	0	0	0	0	Ö	Ö	Ŏ	Ö	Ŏ	Ö
	40000 ppm	0	0	0	0	0	Ö	Ö	Ŏ	Ö	Ö	0	Ö	Ŏ	Ö

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

linical sign	Group Name	Admini	stration W	leek-day _											· · · · · · · · · · · · · · · · · · ·
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	Ö	Ö	0	0	0	0	0	0	ő
	40000 ppm	0	Ö	0	ő	Ö	ő	ő	ő	ő	0	0	0	0	0
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	Ö	Õ	Ö	0	Ö	Ö	ő	0	0	0	0	0
	20000 ppm	ő	0	Ŏ	0	Ö	0	0	0		0	-	•	-	
	40000 ppm	0	0	0	0	0				0	-	0	0	. 0	0
	40000 PPM	v	U	V	U	U	0	0	0	0	0	0	0	0	0
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0 .	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ô
	20000 ppm	0	0	0	0	0	0	0	0	Ö	0	0	0	Ö	0
	40000 ppm	0	0	0	0	Ō	0	Ŏ	Ö	Ô	Ö	0	Ö	0	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	Ö	0	Õ	Ö	Ő	0	0	0	0	Ö
	20000 ppm	Ŏ	0	Ő	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0
TAIL	Control	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	10000 ppm	Ö	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0		•	•	•	-	
	40000 ppm	0	0	0						0	0	0	0	0	0
•	40000 ppm	V	U	V	0	0	0	0	0	0	0	0	0	0	0
IEM I A	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

linical sign	Group Name	Admin	istration W	eek-day											
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. NECK	Control	. 0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
NEGR	10000 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	Ö	0	Ō	Ō	0	0	0	Ö	Ö	Ō	Ö	0	Ö	0
	40000 ppm	Ō	0	0	0	0	Ö	Ö	Ö	Ö	Ö	0	Ō	Ö	0
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POSTERIOR DORSUM	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0 .	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENITALIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admin	istration W	leek-day _											
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
, vinati															
I. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.FORLIMB	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	40000 ppm	0	0	0	0	0	Ō	Ō	Ö	Ö	Ö	0	0	Ö	Ö
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	Ō	0	0	ñ	0	0
	20000 ppm	Ö	Ö	0	ő	0	0	Ö	Ö	0	0	0	0	0	0
	40000 ppm	0	Ö	ő	ő	ő	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
bollow	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	•	•	•	•	•
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				-		·	v	·	v	v	v	v	v		V
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Õ
	20000 ppm	0	0	0	0	0	0	Ô	0	Ŏ	0	Ŏ	Ö	0	ő
	40000 ppm	0	0	0	0	0	0	Õ	Ō	Ō	0	Ö	Ö	ő	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	Ö	Õ	Ö	Ö	Ö	Ö	0	Ö	0	0	0	0	0
	20000 ppm	Ŏ	0	Õ	Ö	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	Ö	0	0	0	0 -	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	•	•	•	•	•	-
	40000 ppm	0	0	0	0	0	0	0	-	0	0	0	0	0	0
	40000 ppm	U	U	v	U	U	U	U	0	U	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admin	istration V	Veek-day		Mathada and a									
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
N MECK					_										
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	Ō	Ö	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	Ŏ	Ö	Ö	0	Ô	0	0	0	Ö
	40000 ppm	0	0	Ö	Ö	Ö	0	Ö	Ŏ	Ö	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	ŏ	Ö	0	0	0	1	0	0	0	0	0	0		•
	20000 ppm	0	0	0	0	0	0	0	0		-		-	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	v	v	V		V	V	V	V	U	V	U	v	U	U
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	Õ	0	. 0
	40000 ppm	0	0	0	0	0	0	0	Ö	Ö	Ö	Ö	0	Ö	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ō	0	Ö	0	Ŏ	Ö	0	0	0	0	0	0	0	0
	20000 ppm	Ö	Ö	Ö	0	0	Ö	0	0	0	0	0	0	0	0
	40000 ppm	ő	ő	0	0	0	0	0	0	0	0	0	1	1	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	. 0	0	٥
	10000 ppm	0	0	0	0	0	0	0	0	0	0		0	•	0
	20000 ppm	0	0	0	0	0	0	0	-		•	0	•	0	0
		0	0					-	0	0	0	0	0	0	0
	40000 ppm	U	U	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
	40000 ppm	0	0	0	0	0	0	0	0	0	Ö	Ö	Ō	Ö	ő

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

Clinical sign	Group Name		stration W												
		857	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	1
· NEOR	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
			0												
	20000 ppm	0		0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0 .	0	0	0	0
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	Ō	0	Ö	0	0
.POSTERIOR DORSUM	Control	1	1	1	1	1	1	1	0	0	0	0	0	0	0
	10000 ppm	0	Ō	0	0	0	0	0	0	0	0	Ô	0	0	0
	20000 ppm	Ö	Ö	Ŏ	Ő	ő	Ö	0	ŏ	0	0	0	0	0	Ö
	40000 ppm	0	Ö	Ö	0	0	Ö	Ö	Ö	Ö	Ö	ő	Ö	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IIINDEIND	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	20000 ppm	0	0	0					•		-	•	-	•	0
				-	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	1	1	0	0	0	0	0	0	0	0
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	Ō	Ö	0	0	Ö	Ö	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ŏ	0	0	0	ő	ő	0	0	0	Ö	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppill	v	V	v	v	v	V	V	V	V	V	V	V	V	V

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admin	istration	Week-day			
	•	99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
M.NECK	Control	1	1	1	1	1	1
	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	1	1	1	1	1
	40000 ppm	0	0	0	0	0	0
M.FORLIMB	Contral	0	0	0	0	0	0
	10000 ppm	1	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0
		•	•	•	•	-	-
M.BREAST	Control	0	1	1	1	1	1
	10000 ppm	Ō	0	0	Ô	0	Ō
	20000 ppm	Ö	Ö	Ö	ŏ	0	Ŏ
	40000 ppm	0	0	0	0	0	0
	10000 ppiii	v	v	v	V	v	V
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0
and the second second	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0
	MICH VOVOE	v	v	V	V	U	V
M.HINDLIMB	Control	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0
	20000 ppm		0	0			
		0			0	0	0
	40000 ppm	0	0	0	0	0	0
M.GENITALIA	Complex - 1	^	^	•	^	٥	0
n.GENIIALIA	Control	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0
N TAIL	<u>.</u>	_					
M.TAIL	Control	0	0	0	0	0	0
	10000 ppm	0	0	0	0	1	1
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

STUDY NO. : 0225

SEX : MALE															PAGE :	25
Clinical sign	Group Name		stration W	leek-day												
		1-7	2-7	3-7	4-7	5-7	6-7	77	8-7	9-7	10-7	11-7	12-7	13-7	14-7	_
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	

otimicat 21911	a nab raile	AGIIIII	Zuarion M	CON day											
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
LCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0 .
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	Ō	Ō	0	0	Ö	Ö	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	Ō	0	0	Ō	0	0	0	Ŏ
	40000 ppm	0	0	0	0	0	Ō	Ō	Ö	Õ	Ö	0	Ŏ	Ŏ	Ŏ

(HAN190)

STUDY NO.: 0225 CLINICAL OBSERVATION (SUMMARY)
ANIMAL: MOUSE BDF1 ALL ANIMALS

REPORT TYPE : A1 104

SEX: MALE

0 0 0 0 0 0 0	0 0 0 0 0	17-7 1 0 0 0 0	18-7 1 0 0 0	19-7 1	20-7	21-7	22-7	23-7 1	24-7 1	25-7 1	26-7 1	27-7	28-7 1
0 0 0 0 0	0 0 0 0 0	0 0 0	0 0	0	1	1	1	1					
0 0 0 0	0 0 0	0	0		0	^							
0 0 0 0	0 0 0	0	0		0	۸	•						
0 0 0 0 0	0 0	0		0		v	0	0	0	0	0	0	0
0 0 0 0	0		0	-	0	0	0	0	0	0	0	0	0
0 0 0	0	0		0	0	0	0	0	0	0	0	0	0
0 0 0	•		0	0	0	0	0	0	0	0	0	0	0
0	_	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	Ō	Ō	Ö	Õ	Õ	Ö	0	0	0
0	0	Ö	0	0	0	0	0	0	0	0	0	0	0
	Ö	Ö	Ö	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0				-	•	-	-		_	0
				0	0	0	0	0	0	0	0	0	0
0	0 .	0	0	0	0	0	0	0	0	0	0	0	0
0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	Ô	0	Ō	0	Ö	Ŏ
0	0	0	0	0	0	0	0	Ö	Ö	0	Ö	Ő	Ö
0	0	Ö	Ö	Ö	Ö	0	0	Ö	Ö	Ö	Ö	ő	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0		0	0	0		•
0	0	0	0	0	0	0	0	0	0	0	0	0	0
	_	·	•	-	-	•	v	v	v	U	v	v	V
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	.0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	Ō	0	Ō	Ō	Ö
0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0								0	-	-	0
0		-						-	-	•		-	0
		-				-							0
	0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	istration 🎚	leek-day											
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ULCER	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	1	0	0	2	2
	40000 ppm	0	0	0	0	0	0	6	6	6	8	9	9	10	10
EROS10N	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	Ö	0	Ö	0	0	Ö	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	Ō	Ō	0	0	0
HEMORRHAGE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	Ō	0	Ō	0	0	Ö	Ö	Ö
	40000 ppm	0	0	0	0	0	0	0	0	0	Ō	Ö	Ō	Ö	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	Ō	Ö	0	0	0	Ö	Õ
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	ő
	40000 ppm	Ö	Ô	0	Ö	Ö	ő	Ö	0	Ő	ő	Ö	Ö	Ö	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	20000 ppm	Õ	0	Ö	Ô	Ö	0	Ö	Ö	0	0	Ô	0	0	ő
	40000 ppm	ŏ	ő	ő	ŏ	ő	Ö	ő	0	Ö	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	10000 ppm	Õ	0	Ö	0	Õ	Ö	0	ů	0	0	0	0	0	ő
	20000 ppm	0	0	Ö	0	ő	0	Ö	0	Ŏ	0	0	0	0	0
	40000 ppm	ő	0	Ö	. 0	Ö	ő	Ö	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	Ö	Ö	Ŏ	Ö	Ö	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	Ö	0	0	0	0	0	0	0	
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	-		0
	IIIAA AAAA	U	U	v	v	U	U	v	U	U	U	U	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
LCER	Control	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	10000 ppm	0	0	0	0	0	0	2	2	2	3	3	4	4	3
	20000 ppm	2	2	3	3	4	5	5	2	2	2	3	5	5	5
	40000 ppm	12	12	11	11	11	11	12	12	12	12	13	13	13	12
ROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	Ó	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	Ō	Ŏ
EMORRHAGE	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	Ô	Õ	0	Ŏ	0
	20000 ppm	Ö	ŏ	Ŏ	0	Ö	0	0	Ö	0	0	Ö	0	0	0
	40000 ppm	Ō	0	Ő	0	Ö	Ö	Ö	ő	Ö	Ö	Ö	Ő	ő	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	Ö	Ö	0	Ŏ	Ŏ	Ô	Ô	Õ	Õ	0
	20000 ppm	0	Ö	0	0	Ō	Ö	Ŏ	Ö	Ö	Õ	Õ	0	0	0
	40000 ppm	ŏ	0	Ö	Ö	Ö	Ö	0	0 .	0	0	0	0	0	Ö
RREGULAR BREATHING	Control	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	Ō	Ō	Ö	0	Ŏ	Ŏ	Ŏ	0
	20000 ppm	0	Ŏ	0	0	Ö	0	Ö	0	0	0	0	0	0	0
	40000 ppm	ő	ŏ	ŏ	Ö	ő	ő	Ö	Ö	0	0	0	Ö	0	0
BNORMAL RESPIRATION	Contral	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	Ō	Õ	0	Ö	Ŏ	Ö	0	0	0	ő
	20000 ppm	0	0	Ö	Ŏ	Ŏ	ŏ	Ŏ	ő	ő	Ö	0	0	0	0
	40000 ppm	Ō	Ö	Ö	0	Ö	0	0	ő	ő	Ö	Ö	0	Ö	0
RADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	Ô	0	0	0	0	Ŏ	Ö	Ö
	20000 ppm	Ö	Ö	0	Ŏ	Ŏ	Ö	ŏ	Ö	Ŏ	Ö	Ö	0	0	0
	40000 ppm	Ö	Ö	0	0	ő	Ö	Ŏ	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name		istration W												
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
LCER	Control	٥	٥	0	^	0	•	^	•	•					
LOEK	Contral 10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5	5	5	7	7	8	8	9	10	11	10	10	8	8
	20000 ppm 40000 ppm	6 13	6	6	6	7	10	10	10	10	11	11	11	10	11
	40000 ppm	13	13	13	14	14	13	13	14	13	13	13	14	12	12
ROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Õ	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	0	Ö
	40000 ppm	0	0	0	0	0	0	0	0	0	0	Ö	0	Ŏ	Ö
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0 .	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ô	ő
	20000 ppm	0	0	0	0	0	0	0	0	0	Ŏ	0	Ŏ	1	Ö
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	ō	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	Ö	Ö	Ŏ	Ŏ	Ŏ	0	Õ	0	0
	20000 ppm	0	0	0	0	0	0	0	Ō	0	Ŏ	0	Ŏ	1	Ö
	40000 ppm	0	0	0	0	0	0	0	Ō	Ö	Ő	Ö	Ö	ō	Ö
RADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	Ō	Ö	Ö	Ö	0	Ŏ	Ö	0	0	0	0
	20000 ppm	0	0	0	0	Ō	0	Ö	Ö	0	Ö	Ö	Ö	0	Ö
	40000 ppm	0	0	0	Ô	Ö	Ö	Ö	0	Ö	Ö	Ő	0	0	Ö

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Uinical sign	Group Name	Admin	istration W	leek-day											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
	·	1	1	1	1	1	1	1	1	1	1	1	. 1	1	1
000															
CER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	8	6	6	6	6	5	5	5	6	7	8	8	8	8
	20000 ppm	11	12	9	9	9	8	8	9	7	7	7	7	7	7
	40000 ppm	12	12	12	12	12	12	12	10	10	10	11	10	10	9
COSION	Control	0	0	0	- 0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	Ö
	40000 ppm	Ō	Ö	Ō	Ō	Ö	Ö	Ö	Ö	Ö	ő	Ö	Ö	ő	0
RUSTA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	Ô	0	0	0	0
	20000 ppm	0	Ô	Ö	Ö	0	Ő	Ö	0	Ö	0	0	0	0	ő
	40000 ppm	0	0	0	0	- 0	0	0	0	0	0	0	0	0	0
	HIGG VOVOF	U	U	V	V	- 0	U	V	v	U	U	.0	U	U	U
MORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	Ō	i	Ō	Ö	Ô
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
	40000 ppm	Ö	Ö	ő	ő	0	Ö	Ö	Ö	0	Ö	Ö	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Õ	0	0	Ô	ő	Ŏ	Ö	Ö	0	0	0	0	0	0
	20000 ppm	0	0	0	0	1	0	0	0	0	1	1	1	1	1
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	Ő	0	0	0	0	0	0	0	1
	20000 ppm	0	0	0	0	1	0	0	0	0	1	1	1	1	•
		0			-		0				-	_	-	-	1
	40000 ppm	U	0	0	0	0	U	0	0	0	0	0	0	0	0
RADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO.: 0225 CLINICAL OBSERVATION (SUMMARY) ANIMAL : MOUSE BDF1 ALL ANIMALS REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
LCER	Control	0	0	1	1	1	1	1	0	0	0	0	0	0	0
	10000 ppm	7	9	8	8	9	7	6	6	6	6	6	6	4	4
	20000 ppm	8	9	9	11	11	12	12	11	10	11	12	12	10	11
	40000 ppm	7	9	9	8	9	8	10	9	8	6	6	5	4	3
ROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	Ŏ	Ŏ	Ŏ	Ŏ	ő	0	0	0	0	0	0	0	Ö
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
avam.												-		·	
RUSTA	Control	0	1	1	1	1	1	1	1	1	1	1	1	1	2
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	1	1	0	1	1	1	1	1	1	1	1	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	Ö
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	Ō	Ö	Ō	Ö	Ö	0	Ô	Ŏ	Ö	0	0
	20000 ppm	Ŏ	Ö	Ö	0	Ő	0	Ö	0	0	0	0	0	0	Ö
	40000 ppm	Ö	Ö	0	0	0	0	0	0	Ö	0	0	0	0	1
REGULAR BREATHING	Control	0	0	0	0	0	0	1	0	0	0	0	0	0	1
modelli bilbilitili	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	1	1	1									1		
			0	1	1	1	1	1	1	1	1	1	1	1	2
	40000 ppm	0	U	0	0	1	0	0	0	0	0	0	0	0	1
NORMAL RESPIRATION	Control	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	40000 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	1
RADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	Ō	0	Ö	Ö	Ŏ	0	Ŏ	ő	Ŏ
	20000 ppm	Ŏ	0	Ö	0	ő	Ő	Ö	Ö	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	midd agar	V	V	v	v	v	v	v	v	v	U	v	U	U	U

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

EROSION
ULCER
ULCER
EROSION
EROSION 10000 ppm 5 5 6 6 6 6 6 6 6 6
EROSION
EROSION 20000 ppm 9 8 8 8 9 10 40000 ppm 5 5 5 4 3 4 4 4 4 4 4 4 4
EROSION
EROSION
10000 ppm 0 0 0 0 0 0 0 0 0 20000 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
10000 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
20000 ppm 0 0 0 0 0 0 0 0 0 0 40000 ppm 0 0 0 0 0 0 0
20000 ppm 0 0 0 0 0 0 0 0 0 40000 ppm 0 0 0 0 0 0 0
40000 ppm 0 0 0 0 0 0
271
CRUSTA Control 2 3 3 3 3 3
10000 ppm 0 0 0 0 0 1
20000 ppm 0 0 0 0 0 0
40000 ppm 0 0 0 0 0
10000 8500 0 0 0 0 0
HEMORRHAGE Control 0 0 0 0 0
10000 ppm 0 0 0 0 0
20000 ppm 0 0 0 0 0
40000 ppm 0 0 0 0 0
1000 ppii 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
TORTICOLLIS Control 0 0 0 0 1 1
10000 ppm 0 0 0 0 0
20000 ppm 0 0 0 0 0
4000 ppm 0 0 0 0 0
40000 ppst 0 0 0 0 0
IRREGULAR BREATHING Control 0 0 0 0 1
10000 ppm 0 0 0 0 0
20000 ppm 1 1 1 1 1 1
40000 ppm 0 0 0 0 0
ABNORMAL RESPIRATION Control 0 0 0 0 1
10000 ppm 1 0 0 0 0
20000 ppm 1 1 1 1 1 1 1
40000 ppm 0 0 0 0 0
BRADYPNEA Control 0 0 0 0 0
10000 ppm 1 0 0 0 0
40000 ppm 0 0 0 0 0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 33

Clinical sign	Group Name	Admini	stration W	ek-day											
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
									· · · · · · · · · · · · · · · · · · ·						
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 34

Clinical sign	Group Name	Admini	istration W	leek-day											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	Ö	Ö	0	0	Ô	Ö	Ö	Ö	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	. 0	0	0	0	0	0	0	0	0 -	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 35

Clinical sign	Group Name	Admini	stration W	eek-day											
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

STUDY NO.: 0225

ANIMAL : MOUSE BDF1
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 36

Clinical sign	Group Name	∆dmini	stration W	eek-day											
		43-7 1	44-7 1	45-7 1	46-7 1	477 1	48-7 1	49-7 1	50-7 1	51-7 1	52-7 1	53-7 1	54-7 1	55-7 1	56-7 1
		·													
DEEP BREATHING	Control	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	1
UBNORMAL TEMP	Control	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 37

Clinical sign	Group Name	Admini	stration W	leek-day			<u> </u>								
		57-7 1	58-7 1	59-7 1	60-7 1	61 - 7	62-7 1	63-7 1	64-7 1	65-7 1	66-7 1	67-7 1	68-7 1	69-7 1	70-7 1
												·			
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0		0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ô	0	Ô
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	Ō	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	o o	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	i	1	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	Ö	0	Ō	0
SUBNORMAL TEMP	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	Ö	0	0	Ô	0	0	0
	20000 ppm	0	0	Ō	0	Ö	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	Ö	Ô	0	0	0	0	Ŏ	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 38

Clinical sign	Group Name	Admini	stration W	eek-day _											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEEP BREATHING	Control	0	۸	0	0	0	0	0	0	0	0	٥	0	۸	٨
DEEL BREATHING	10000 ppm	0	0	0	0	0	0	0	0	0	٥	0	٥	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	٥	0	0	0	٥
	40000 ppm	0	0	0	0	0	0	0	0	0	٥	0	0	0	n
	40000 ppiit	V	v	V	v	V	v	V	v	V	v	V	V	v	v
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 39

Clinical sign	Group Name	Admini	stration W	eek-day _											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94~7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OLIGO-STOOL	Control	0	0	0	0	0	1	0	0	0	3	3	1	1	1
	10000 ppm	0	0	0	0	0	1	0	0	0	1	0	0	0	0
	20000 ppm	1	0	0	0	0	. 0	1	1	1	1	1	1	1	1
	40000 ppm	0	0	1	1	0	0	0 ·	0	0	0	1	0	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	ń	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 40

Clinical sign DEEP BREATHING	Control 10000 ppm	99-7	istration 1 100-7 1	101-7	102-7 1	103-7 1	104-7 1
DEEP BREATHING	10000 ppm	0	1				
DEEP BREATHING	10000 ppm		0				
DEEP BREATHING	10000 ppm		0				
		Λ		0	0	0	0
		0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	0	Ô	0
	20000	·	v	ŭ	v	v	Ü
SMALL STOOL	Control	0	0	0	0	0	1
	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	1
	10000 ppm	1	0	0	0	0	ō
	20000 ppm	1	1	1	1	1	1
	40000 ppm	0	0	Õ	1	0	Õ
	4-1		•	-	-	•	•
SUBNORMAL TEMP	Control	0	. 0	0	0	0	0
	10000 ppm	1	0	0	0	0	0
	20000 ppm	0	Ō	0	0	Ō	Ö
	40000 ppm	0	0	0	0	0	0
				_	_	•	·

(HAN190)

APPENDIX A 4

CLINICAL OBSERVATION (TOW-YEAR STUDY: SUMMARY)

MOSUE: FEMALE

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO.: 0225 ANIMAL : MOUSE BDF1

REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	٥	0	٥	0	0	0	0	0	0	0	^	0	0	0
DEATH		0	0	0		0		•		-		0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	U	-	
	20000 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ô	Ŏ	Ö	Ö	0	0	0	0	Ô	0	Ö	0	0	0
	20000 ppm	Ŏ	Ŏ	Ô	Ő	Ö	Ö	0	0	Ö	Ö	Ő	0	0	0
	40000 ppm	Ö	Ö	ŏ	Ö	ő	Ö	ő	0	ő	ŏ	Ö	Ő	ŏ	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	0	Ö	0	Ö	0	Ö	0	0	0	0	0	0	0
	20000 ppm	ő	Ö	0	0	Ö	0	1	1	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INOG DEELI	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0		
														0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : FEMALE

linical sign	Group Name	Admini	stration W	eek-day											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
								•	•	•	•	•	•	•	•
EATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	Ō	0	0	0	0	Ö	Ō	0	0	0	0	0	0
INCHBACK POSITION	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	Ŏ	Ö	0	0 -	0	Ö	0	0	0	Ö	Ō	0	0	0
	40000 ppm	0	0	Ö	Ö	Ö	Ŏ	0	Ö	Ö	0	ō	Ö	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	Ö	Ö	Ö	Ō	Ö	0	Ō	0	Ö	0	0	0	0
	20000 ppm	0	Ö	0	Ö	0	0	Ŏ	0	Ö	ő	0	0	Ö	0
	40000 ppm	0	0	0	0	0	0	Ö	0	0	0	0	0	Ö	0
ASTING	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	Ŏ	Ö	Ö	0	0	0	0	0	0	Ô	Õ	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	o	Ö	0	ő	0	0	0	Ö	0	Ŏ	0	0	0	0
LOERECTION	Control	0	0	0	0	0	0	0	0	1	1	1	1	0	0
	10000 ppm	0	ů	Ö	0	Ö	0	0	0	0	0	0	ō	0	0
	20000 ppm	0	0	Ö	Ö	Ŏ	0	0	Ö	Ö	Ō	. 0	0	0	Ö
	40000 ppm	0	0	0	Ö	0	Ö	0	Ö	Ö	Ö	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	ő	0	Ŏ	Ŏ	0	0	0	0	0	Ö	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 Phill	v	V	V	V	v	v	V	v	V	v	v	V	V	U

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

Administration Week-day

STUDY NO. : 0225
ANIMAL : MOUSE BDF1
REPORT TYPE : A1 104

Group Name

Control

10000 ppm

20000 ppm

40000 ppm

SEX : FEMALE
Clinical sign

29-7 30-7 32-7 33-7 34-7 35-7 36-7 37-7 38-7 39-7 40-7 41-7 42-7 31-7 DEATH Contral 10000 ppm 20000 ppm 40000 ppm MORIBUND SACRIFICE Control 10000 ppm 20000 ppm 40000 ppm LOCOMOTOR MOVEMENT DECR Control 10000 ppm 20000 ppm 40000 ppm HUNCHBACK POSITION Control 10000 ppm 20000 ppm 40000 ppm PARALYTIC GAIT Control 10000 ppm . 0 20000 ppm 40000 ppm WASTING Control 10000 ppm 20000 ppm 40000 ppm PILOERECTION Control 10000 ppm 20000 ppm 40000 ppm

FROG BELLY

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
	,	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	2	2	2	2	2	2	2	2	2	2	3
	10000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	20000 ppm	2	2	3	3	3	3	3	3	3	3	4	4	4	4
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIBUND SACRIFICE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	Ö	0	Ō	Ö	0	0	0	0	0	0	0	0	0	0
	40000 ppm	Ö	ŏ	ő	ŏ	Ö	Ö	Ö	Ö	0	Ö	0	0	Ö	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	Ô	Ŏ	Ô	Ö	Ō	Ŏ	0	0	Ö	0	Ŏ	0	0
	20000 ppm	Ö	Ö	ő	Ö	0	Ö	0	0	Ö	Ŏ	0	Ö	Ŏ	Ö
	40000 ppm	Ö	ő	Ö	Ö	Ö	Ö	Ö	Ö	Ô	Ö	1	0	Ö	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	Ö	Ô	0	0	0	0	Ö	Ô	Ö	Ô	0	0	0
	20000 ppm	Ö	0	0	0	Ō	Õ	0	0	0	0	0	0	Ō	0
	40000 ppm	Ö	0	Ö	0	Ö	0	Ö	0	ŏ	Ö	Ö	Ö	Ô	0
WASTING	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ŏ	0	0	0	Ŏ	0	0	0	0	0	0	0	Ö	0
	20000 ppm	ő	0	0	0	0	Ő	Ő	0	0	0	0	0	0	ő
	40000 ppm	ő	0	0	Ö	ő	ŏ	ő	Ö	Ö	Ö	1	ő	ő	Õ
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	0	0	0	Ŏ	0	Ö	0	0	Ŏ.	0	0	1	1
	20000 ppm	0	0	0	0	0	0	0	Ő	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	Ö	Ö	0	. 0	Ö	Õ	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mgg vovue	V	V	v	V	v	v	v	v	V	U	v	U	v	U

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE BDF1 ALL ANIMALS
REPORT TYPE : A1 104

SEX : FEMALE

STUDY NO. : 0225

linical sign	Group Name		stration W	leek-day _				`			·				
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ЕАТН	Control	3	3	3	3	4	4	4	4	4	4	4	4	4	4
	10000 ppm	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	20000 ppm	4	4	4	4	4	5	5	5	5	5	6	6	6	6
	40000 ppm	0	0	0	0	0	,0	0	0	1	1	2	2	2	2
RIBUND SACRIFICE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	40000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OCONOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE BDF1

REPORT TYPE : A1 104

STUDY NO.: 0225

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
•		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
or Amu					_	_		_	_		_	•	-	_	
DEATH	Control	4	4	4	5	5	5	5	5	5	6	6	6	6	7
	10000 ppm	3	3	3	3	3	3	3	4	5	6	6	7	7	7
	20000 ppm	6	6	6	6	6	6	6	6	6	6	7	7	8	9
	40000 ppm	2	2	2	2	3	3	3	3	3	3	4	4	4	5
ORIBUND SACRIFICE	Control	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	10000 ppm	0	0	0	1	2	2	2	2	2	2	2	2	2	2
	20000 ppm	1	1	1	1	2	2	2	. 2	2	2	2	2	2	2
	40000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	20000 ppm	Ö	Ö	0	0	1	Ŏ	0	Ö	Ö	Ö	0	Ö	Ö	0
	40000 ppm	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
undibilities 1 00111011	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			0	0	0									-	
	40000 ppm	0	U	U	U	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	Ö	Ō	0	Ö	0	0	0	0	0	0	0	Ö
	20000 ppm	ő	ő	0	ő	Ö	ő	0	0	0	0	0	ő	0	Ö
	40000 ppm	ő	ő	Ö	ő	Ö	Ö	0	ő	ő	Ö	Ö	0	Ö	0
ILOERECTION	Control	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	10000 ppm	Õ	0	Ö	Ö	ō	î	1	1	2	1	1	2	2	2
	20000 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	2
		0	0	0	0	0	0	0	0		0	. 0	-		
	40000 ppm	U	U	v	V	U	U	U	U	0	U	U	0	1	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10000 ppm	0	0	1	0	. 0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

STUDY NO. : 0225
ANIMAL : MOUSE BDF1
REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name		stration W												
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
5.00		_	_		_										
DEATH	Control	7	8	8	9	9	9	9	9	9	9	10	11	13	13
	10000 ppm	7	7	8	8	10	11	11	12	13	13	14	15	15	15
	20000 ppm	10	11	11	13	15	16	16	17	19	19	21	21	22	22
	40000 ppm	6	6	6	6	6	6	6	8	8	9	10	11	11	12
MORIBUND SACRIFICE	Control	2	2	2	3	3	4	4	4	4	4	4	4	4	4
	10000 ppm	2	2	2	3	3	3	3	3	3	3	3	3	4	4
	20000 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	40000 ppm	1	1	1	1	1	1	1	1	2	2	2	2	2	2
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	. 0	0	0	0	0	0	0	0	0	0	1	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	1	1	1	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	1	1	1	1	1	1	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	Ö	Ō	0	0	Ö	0	0	Ö	0	0	Ö	Ö
PILOERECTION	Control	1	1	3	1	1	1	1	1	1	1	1	1	0	0
	10000 ppm	2	2	2	2	2	1	1	ī	1	ī	î	ī	Ö	Ö
	20000 ppm	1	1	2	1	1	3	2	3	2	2	2	2	2	2
	40000 ppm	ō	ō	0	0	1	1	1	1	1	1	1	1	1	1
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	10000 ppm	0	0	0	0	0	0	0	0	Ō	Ō	0	0	0	0
	20000 ppm	0	0	1	0	1	0	0	0	Ő	0	0	1	1	1
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 PPM	v	U	U	U	V	v	U	v	U	ν	U	V	U	V

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admin	istration	Week-day			
_		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
DEATH	Control	14	14	15	16	16	17
	10000 ppm	17	18	21	21	21	21
	20000 ppm	22	22	23	23	25	26
	40000 ppm	12	13	14	16	16	19
	HICH ANALE	14	10	14	10	10	10
MORIBUND SACRIFICE	Control	4	4	4	4	4	4
	10000 ppm	4	4	4	4	4	5
	20000 ppm	4	4	4	5	5	5
	40000 ppm	2	2	2	2	3	3
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0
	10000 ppm	0	Ŏ	ő	0	0	1
	20000 ppm	Ő	ŏ	Ö	0	Ö	0
	40000 ppm	Ö	ő	Ő	0	0	Ö
HUNCHBACK POSITION	Control	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	1	1	3	0	0
	40000 ppm	0	0	0	0	1	0
PARALYTIC GAIT	Control	0	0	0	0	0	0
	10000 ppm	0	0	0	0	Ö	Ö
	20000 ppm	0	Ŏ	0	0	Ö	0
	40000 ppm	0	Ö	Ö	0	Ö	Ö
III CTIVO	g ,		•	•	•		•
WASTING	Control	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	1	1	1	0	0
	40000 ppm	0	0	0	0	0	0
PILOERECTION	Control	0	1	0	1	2	1
	10000 ppm	Ö	1	Ö	Ô	0	1
	20000 ppm	2	3	3	3	0	0
	40000 ppm	1	2	2	1	1	Ö
FROG BELLY	Contral	1	1	1	0	0	0
	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	1	1	0	0	0
	40000 ppm	0	0	0	0	1	1
111100)							

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
-		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
			· · · · · · · · · · · · · · · · · · ·					****							· · · · · · · · · · · · · · · · · · ·
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	Ö	0	0	Ö	ŏ	0	Ö	Ö	0	Ô	Ŏ	Ö	Ö	Ö
	40000 ppm	0	0	0	0	Ō	Ö	Ö	Ö	0	0	0	Ö	Ö	Ô
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	ŏ	Ô	Ö	Ŏ	ŏ	0	Ö	Ö	0	0	0	0	0	Ö
	20000 ppm	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	40000 ppin	U	U	U	U	U	U	U	U	U		U	U	U	0
EXTERNAL MASS	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	Ö	0	0	Ö	Ö
	20000 ppm	Ö	0	0	Ő	Ö	0	Ö	0	0	ő	0	0	Ő	ő
	40000 ppm	ő	Ö	0	ő	ő	Ö	Ö	Ö	Ö	ő	Ö	Ö	Ö	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	Ô	0	Ö	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	40000 ppM	V	V	U	U	U	U	U	. 0	U	U	V	U	U	U
M.PERI MOUTH	Contral	0	0 .	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO.: 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	istration W	eek-day											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILED PERI GENITALIA	Cantural	^	•	^	•	٥	^	0	٥	٥	٥	٥	٥		^
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	Ö	Ō	Ŏ	Ö	Ö	Ö	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	Ō	0	Ö	0	0	0	0	0	Ö	Ö	ő
1.NOSE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	0	Ö	Ö	Ŏ	0	Ŏ	Ö	Õ	Ö	0	Ŏ	0	Ö
	20000 ppm	0	0	0	0	0	0	0	ő	0	0	0	0	0	0
	40000 ppm	ŏ	Ö	ő	ő	Ő	ŏ	Ö	ő	ő	Ö	ő	Ö	0	Ö
f.eye	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	0	Ö	Ö	Ö	0	Ö	Ő	Ő	Õ	0	Ö	Ö	Ö
	20000 ppm	0	0	Ŏ	0	Ŏ	0	ŏ	Ö	Ö	Ö	0	Ö	0	0
	40000 ppm	ő	Ö	Ö	Ö	Ö	0	0	Ö	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	V	v	v	U	v	U	v	U	U	U	U	U	U	U

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	leek-day											
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0		0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	Ō	0	0	0	0	Ö	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	Ō	Ō	Ō	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	Ö	0	0	0	Ŏ	Ö	Ö
	40000 ppm	Ō	Ō	Ō	Ö	Ö	Õ	ō	0	Ŏ	Ö	Ô	Õ	Ŏ	ő

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	istration W	leek-day											
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
			-						<u> </u>						
SOILED PERI GENITALIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	Ö	0	Ö	0	0	0 .	. 0	0	0	Ö
	40000 ppm	0	0	0	Ō	Ö	Ö	Ö	Ō	0	0	Ö	Ö	Ö	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	Ö	0	0	0	0	Ō	Ō	0	Ö	Ö	0	Ŏ	Ö	Ŏ
	40000 ppm	Ö	Ö	0	Ö	Ö	0	0	Ő	ő	0	Ö	0	Ö	0
XTERNAL MASS	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	Ŏ	Ô	0	Ŏ	Ŏ	Ŏ	0	0	0	0	Ö	Ö	0
	20000 ppm	Ŏ	Ö	Ö	0	Ö	ő	Ö	0	0	0	0	0	0	0
	40000 ppm	Ö	0	0	Ö	0	1	1	1	ĺ	1	1	1	1	1
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	2	2	0
	10000 ppm	0	Õ	Õ	0	Ō	Ö	Ö	0	Ö	Ö	0	Õ	0	ő
	20000 ppm	Ŏ	1	0	Ŏ	Ö	Ŏ	ŏ	Ö	1	1	1	1	1	1
	40000 ppm	0	0	Ö	0	Ö	Ö	Ö	ő	0	0	0	0	0	0
.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	10000 ppm	Ö	Ö	0	Ö	Ő	0	Õ	0	0	0	0	0	0	0
	20000 ppm	0	0	Ö	0	0	Ö	0	0	0	0	0	0	0	0
	40000 ppm	ő	ő	ő	Ö	0	Ö	Ö	Ö	ő	Ö	0	0	0	0
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	0	Ö	Ö	Ö	Ö	0	Ö	Ö	Ö	0	Ŏ	0	ő
	20000 ppm	0	0	0	Ö	Ŏ	ő	ő	Ő	Ö	0	Ö	0	0	0
	40000 ppm	0	0	0	0	0	Ő	0	0	0	0	0	0	0	0
DDD I WOMBY		_	_	-			-	-	-			·		•	·
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	istration W												
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OTICE DESIGNATION															
OILED PERI GENITALIA	Cantral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	0	. 0	0	0	0	0	1	1	1	1	1	1	1	1
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
NTERNAL MASS	Control	0	0	0	1	0	0	1	1	1	1	1	2	3	3
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	20000 ppm	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	1	1	1	1	3	3	3	3	2	2	3	3
I.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0 .	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0
	40000 ppm	0	0	0	0	0	0	Ö	Ö	0	Ö	0	Ö	Ö	Ö
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	Ō	0	0	0	0	Ö	Ö	Ô
	40000 ppm	0	0	0	0	Ō	Ō	0	Ö	Ö	0	0	1	1	1
I.PERI MOUTH	Control	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	Õ	0	Ö	0	ŏ	Ŏ	0
	40000 ppm	0	Ö	Ö	Ö	Ö	0	Ö	Ő	Ö	Ö	Ŏ	Ő	0	Ö

STUDY NO.: 0225

ANIMAL: MOUSE BDF1

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

REPORT TYPE : A1 104

SEX: FEMALE

Clinical sign	Group Name	Admini	istration W	leek-day _					•						
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 PMI	V	U	V	V	V	U	U	v	U	U	U	U	U	U
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	1	1	1	1	1	1	1	1	0	0	0	0	0
	20000 ppm	Ö	0	Ô	Ô	0	Ō	1	1	1	1	1	1	1	0
	40000 ppm	2	3	3	3	3	3	3	3	3	3	3	4	4	4
NTERNAL MASS	Control	3	3	3	1	1	1	1	2	3	2	2	2	1	1
	10000 ppm	1	1	2	2	3	2	2	2	2	2	2	1	1	2
	20000 ppm	0	0	0	0	0	0	0	0	0	1	2	3	2	2
	40000 ppm	3	3	3	3	2	2	2	2	2	2	1	1	1	1
NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	0	0	Ô	0	ő	ŏ	Ö	0	0	0	Ô	0	Ö
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	Ŏ	0	0	Ö	0	0	0	ő	0	0	0	0	0	0
EME	0 1 1	•		0	•	•	•	^			2			•	
EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
	20000 ppm	0	0	0	Ô	Ö	Ŏ	Ŏ	Ö	Ö	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	TOOGO PPIII	v	v	v	v	v	v	v	J	v	v	v	v	1	1

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	leek-day											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	.0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	Ö	Ö	Ŏ	Ö	Ö	Ô	1	1	1	1	1	1	1	1
EXTERNAL MASS	Control	0	. 0	0	0	0	0	0	0	0	0	2	1	2	2
	10000 ppm	0	0	0	0	0	2	2	2	2	2	1	1	1	1
	20000 ppm	Õ	Ō	0	0	Ō	0	0	0	1	1	1	1	1	1
	40000 ppm	4	4	4	4	4	4	4	4	4	4	4	3	3	3
NTERNAL MASS	Control	1	2	2	0	0	0	0	0	0	0	0	0	1	1
	10000 ppm	2	2	2	2	1	1	1	1	1	1	1	2	2	2
	20000 ppm	2	2	5	4	3	2	4	2	1	ī	0	0	0	0
	40000 ppm	0	0	0	ī	1	1	1	2	4	3	3	3	3	3
1.NOSE	Control	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	10000 ppm	Ŏ	Ö	0	Ŏ	Ö	Ö	Ô	Ö	0	0	0	0	ŏ	0
	20000 ppm	ŏ	ő	0	Ö	Ö	Ö	0	Ö	0	0	0	0	0	Ö
	40000 ppm	ő	Ö	ő	ő	ő	ŏ	ő	ő	ŏ	Ö	Õ	ő	Ö	0
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	Ŏ	Ô	ő	Ö	0	Ô	Ö	Ŏ	Ö	Ô	Ö	ő	0
	20000 ppm	Õ	ŏ	0	0	Ŏ	0	Ŏ	0	0	0	0	Ő	0	ő
	40000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	1	1	1	1	1	1	1	1	1	1	1	0	0	0
	40000 pplil	1	1	1	1	7	1	1	1	1	1	1	v	V	v

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admin	istration	Week-day						
	ai bap tialio	99-7	100-7	101-7	102-7	103-7	104-7	-		
		1	1	1	1	1	1			
		·						_	 	
ILED PERI GENITALIA	Contral	0	0	0	0	0	0			
	10000 ppm	Ô	0	ő	Ö	0	Ö			
	20000 ppm	0	ő	0	0	Ö	0			
	40000 ppm	0	0	0	0	0	0			
	40000 PPIII	U	v	v	U	V	v			
EYE OPACITY	Control	0	0	0	0	0	0			
	10000 ppm	0	0	0	0	0	0			
	20000 ppm	0	0	0	0	0	0			
	40000 ppm	1	1	1	1	1	1			
CORNEAL OPACITY	Control	0	0	0	0	0	0			
	10000 ppm	0	0	0	0	0	0			
	20000 ppm	0	0	0	0	0	Ō			
	40000 ppm	1	1	1	1	1	1			
	10000 PPIII	1	1	*	*	*	1			
EXTERNAL MASS	Control	2	3	3	2	2	3			
	10000 ppm	1	1	1	1	1	1			
	20000 ppm	1	1	0	0	0	0			
	40000 ppm	4	4	3	3	4	3			
INTERNAL MASS	Control	1	1	1	2	2	1			
	10000 ppm	1	1	0	0	0	Ō			
	20000 ppm	0	0	0	3	2	ĺ			
	40000 ppm	3	2	2	1	1	Ô			
M NOCE	Combo-1	۸	0	0	0	^	0			
M.NOSE	Control	0	0	0	0	0	0			
	10000 ppm	0	0	0	0	0	0			
	20000 ppm	0	0	0	0	0	0			
	40000 ppm	0	0	0	0	0	0			
M.EYE	Contral	0	0	0	0	0	0			
	10000 ppm	0	0	0	0	0	0			
	20000 ppm	Ö	0	Ō	0	0	0			
	40000 ppm	1	ì	1	í	ĭ	i			
M.PERI MOUTH	Control	0	0	0	0	0	0			
	10000 ppm	0	0	0	0	0	0			
	20000 ppm	0	0	0	0	0	0			
	40000 ppm	0	0	0	0	0	0			

STUDY NO. : 0225 CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : FEMALE PAGE: 57

Clinical sign	Group Name	1-7	stration We 2-7	3-7	4-7	5-7		77	8-7	9-7	10-7	11 7	10.7	13-7	
					4-1	5-1	6-7	7-7	8-7	9-7	10-1	11-7	12-7	15-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEGH		•	•	•	•	•		•	•		•	•	•	^	۰
1.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	Ō	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	Ö	Ō	Ö	Ö	0	Ö	Ö	0	Ö	0	0	Ö	Ö	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	Ö	Ö	0	0	Ö	Ŏ	Ô	Ô	Ŏ	0	0	Ö	Ö	0
	40000 ppm	ő	Ŏ	0	0	Ŏ	0	Ö	Ö	ŏ	0	0	Ö	0	ő

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

STUDY NO. : 0225

ANIMAL : MOUSE BDF1

REPORT TYPE : A1 104

SEX : FEMALE PAGE: 58

linical sign	Group Name	Admin	istration W	leek-day _											
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
	<u> </u>	1	1	1	1	1	1	1	1	1	1	1	1	1	1
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	0
	20000 ppm	Ō	0	0	Ō	Ŏ	Ō	Ö	Ŏ	0	Ö	Ö	0	ŏ	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	Ö
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	Ö	Ö	0	0	0	0	0	Ö	0	Ö	0	0
	20000 ppm	0	Ö	Ö	0	0	0	0	0	Õ	0	0	Ö	0	0
	40000 ppm	Ö	0	0	0	Ö	Ö	0	ő	0	ő	Ö	Ö	ő	0
.HINDLIMB	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	0	Ö	Ö	0	ŏ	Ŏ	Ö	0	0	Õ	0	0	0
	20000 ppm	0	0	0	0	0	Ö	0	0	0	0	0	0	0	ő
	40000 ppm	Ö	0	Ŏ	ő	ŏ	Ö	Ö	Ö	ŏ	ŏ	Ö	Ŏ	ő	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	Ŏ	0	Õ	0	0	0	0	Ö	0
	20000 ppm	0	0	Ö	Ö	Ŏ	0	0	0	Ö	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

linical sign	Group Name	Admini	stration W	eek-day											
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEGV		•			•		•	•	•	•	•	•	•		
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	ŏ	Õ	Ö	0	Ö	Ŏ	Ő	0	0	Ö	Ö	0
1.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	Ö	0	0	0	0	0	Ö	0	0	Õ	0
	20000 ppm	ő	Ŏ	0	ő	0	0	0	0	0	0	0	0	Ő	0
	40000 ppm	Ö	Ö	ő	Ő	0	Ö	0	ő	ő	Ö	Ö	ő	Ő	0
I.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	Ô	Ö	0	0	Ŏ	0	0	0	0	0	0
	20000 ppm	ŏ	Ö	0	Ŏ	0	0	ő	0	0	0	0	Ö	0	0
	40000 ppm	Ö	Ö	0	0	Ö	0	0	0	0	0	0	0	0	0
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ŏ	0	0	0	Ö	0	Ö	0	0	0	0	0	0	ő
	20000 ppm	ő	0	0	ő	0	Ő	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	Ŏ	0	0	Ö	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admin	istration W	eek-day	······										
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. NECK	Control	0	0	0	0	0	0	1	1	1	1	1	1	1	1
iii ii box	10000 ppm	Ö	Ö	Ö	Ŏ	Ö	Ô	Õ	Ō	ō	0	Õ	ō	ō	ō
	20000 ppm	0	0	0	Ŏ	0	0	0	0	0	0	0	0	0	0
	40000 ppm	Ö	0	0	0	ő	0	0	Ŏ	0	0	0	0	0	0
1.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0 .	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1

STUDY NO.: 0225

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE BDF1 ALL REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day _											
		71-7	72-7	73-7	74-7	75-7	76-7	77~7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.NECK	Control	,	1	1	٥	0	٥	٥	٥	٥	٥	0	٨	٨	0
M. NECK	Control	1	0	1	0 1	0 1	0 1	0 1	0 1	0 1	0	0	0	0	0
	10000 ppm	0	-	1	_	_	-	-	-	-	•		=		•
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ó	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	Ō	Ō	0	Ō	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	1	1	0	0	0	0	0	0	0	0	0	0	0
m.m.r.baron.ponoon	10000 ppm	Ŏ	Ō	1	1	1	1	1	1	1	0	0	0	0	Ö
	20000 ppm	0	Ô	0	0	0	0	0	0	0	0	0	0	0	ő
	40000 ppm	ő	ő	Ö	0	Ö	Ö	0	Ö	ő	Ö	Ö	1	1	i
M. INTERSCAPULUM	Control	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
N. INTERSORI GEON	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 PPIII	v	v	v	V	v	v	V	V	v	v	v	V	V	V
M.POSTERIOR DORSUM	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	Ö	0	0	Ŏ	Ö	0	ő	ő	Õ	0	Õ	Ŏ	ŏ
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm 40000 ppm	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	40000 PPIII	1	4	4	4	4	4	4	4	4	4	4	4	۷	4

STUDY NO. : 0225 CLINICAL OBSERVATION (SUMMARY) ANIMAL : MOUSE BDF1 ALL ANIMALS

REPORT TYPE : A1 104

SEX : FEMALE PAGE: 63

Clinical sign	Group Name	Admini	stration W	leek-day											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
1.NECK	Control	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	10000 ppm	0	0	0	0	0	1	1	1	1	1	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	Ŏ	Ö	Ö	Ö	Ŏ	0	0	Ö	Ö	Ö	Ö	Ö	Ö	Ö
	40000 ppm	Ö	0	0	0	0	Ö	0	0	0	0	Ö	Ö	Ő	1
/ IDDONEY		•		•					•						
.ABDOMEN	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	ŏ	Ö	0	Ö	0	Ö	0	Ö	Ö	0	0	0	Ö
	40000 ppm	1	1	1	1	1	1	1	1	1	1	1	0	0	0
	40000 Pplii	1	1	1	1	1	1	1	1	1	1	1	V	U	U
.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	1	1	1	1	1	0	0	0	0
	20000 ppm	Ö	Ö	Ö	Ö	0	Õ	0	ō	Ō	ō	Ō	0	0	Ö
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppili	U	v	V	U	v	U	U	U	U	U	U	U	U	U
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	10000 ppm	Ö	o O	0	0	0	Ö	Ŏ	0	0	Õ	o o	0	0	0
	20000 ppm	0	Ö	ő	Ö	Ö	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	V	v	v	U	v	V	v	U	v	U	U	V	U	U
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	40000 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	1

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX: FEMALE

linical sign	Group Name	Admin	istration	Week-day _					
		99-7	100-7	101-7	102-7	103-7	104-7		
		1	1	1	1	1	1		
NECK	Control	0	0	0	0	0	0		
	10000 ppm	0	0	0	0	0	0		
	20000 ppm	0	0	0	0	0	0		
	40000 ppm	. 0	0	0	1	1	0		
BREAST	Control	0	0	0	0	0	0		
	10000 ppm	0	0	0	0	0	0		
	20000 ppm	0	0	0	0	0	0		
	40000 ppm	1	1	1	1	1	1		
ABDOMEN	Control	0	0	0	0	0	0		
	10000 ppm	1	0	0	0	0	0		
	20000 ppm	0	0	0	0	0	0		
	40000 ppm	1	1	Ö	Ő	0	0		
ANTERIOR.DORSUM	Control	0	0	0	0	0	0		
	10000 ppm	0	0	0	0	0	0		
	20000 ppm	0	0	Ô	0	Ö	0		
	40000 ppm	Ö	0	0	0	0	0		
INTERSCAPULUM	Control	0	0	0	0	0	0		
	10000 ppm	0	0	0	0	0	0		
	20000 ppm	0	0	0	0	0	0		
	40000 ppm	0	0	0	0	0	0		
POSTERIOR DORSUM	Control	0	0	0	0	0	1		
	10000 ppm	0	0	0	0	0	0		
	20000 ppm	0	0	0	0	0	0		
	40000 ppm	Ō	0	Ō	Ö	Ö	0		
HINDLIMB	Control	1	2	2	1	1	1		
	10000 ppm	0	0	0	0	0	0		
	20000 ppm	0	0	0	0	0	0		
	40000 ppm	0	0	0	0	1	1		
GENITALIA	Control	1	1	1	1	1	1	4	
	10000 ppm	0	1	1	1	1	1		
	20000 ppm	1	1	0	0	0	0		
	40000 ppm	1	Ī	ī	Ì	i	Ö		

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration We	ek-day											
	•	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
				*************									,		
EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ô
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	Ö	Ö	Ö	0	0	0	0	0	0	0	0	0
	20000 ppm	Ö	0	Ö	0	0	0	0	0	. 0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOOOD PAIN	V	V	V	U	V	V	V	V	V	v	V	V	v	U
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ô	0	0
	20000 ppm	0	Ö	Ö	0	0	0	Ö	Ö	0	0	0	Ô	Ŏ	Ő
	40000 ppm	0	0	0	0	0	0	Ŏ	0	0	0	0	0	0	0
	TOVO PHII	V	V	v	V	V	V	V	٧	V	V	v	V	V	U
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	0
	20000 ppm	Ö	Ō	Ö	Ö	0	0	0	1	0	Ö	0	0	0	0
	40000 ppm	Ô	0	Ô	Ô	Ö	Ö	Ö	Ô	Ö	ŏ	Ö	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
***************************************	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	-	0			•			•	-	•	
			0		0		0	0	0	0	0	0	0	0	0
	40000 ppm	0	U	0	U	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0225 CLINICAL OBSERVATION (SUMMARY) ANIMAL : MOUSE BDF1 ALL ANIMALS REPORT TYPE : A1 104

SEX : FEMALE

PAGE: 66

Clinical sign	Group Name	Admini	istration W	leek-day											·
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	Ō	Ō	0	0	Ö	0	Ö	Ö	Ö	Ö	0	Ŏ	ő
	20000 ppm	0	0	Ō	0	0	Ö	0	Ö	Ö	0	Ŏ	0	Õ	0
	40000 ppm	ő	ő	ő	Ő	0	Ö	Ö	ő	Ö	ő	Ö	0	Ö	0
IEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	Ö	Ö	Ö	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	IIIQQ VVVV	v	v	U	V	U	V	U	V	V	V	U	V	V	U
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	1	1	1	1	1	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	Ō	Ō	Ō	0	Ō	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	1	1	1	1	1	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	o o	Ö	Ō	0	Ö	0	0	Ő	Ŏ	Ŏ	Ö	ő	0
	40000 ppm	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	0	ő	Ö	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	1	1	1	1	1	0	0
	10000 ppm	0	0	0	Ö	Ö	0	Ô	0	ō	Ô	0	0	0	Ŏ
	20000 ppm	Ő	Ö	ŏ	Ö	Ö	0	Ö	0	0	0	0	0	0	0
	40000 ppm	0	0	Ő	Ő	Ö	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL MAIN	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0		0	•			
		0	0		0					0	-	0	0	0	0
	40000 ppm	U	v	0	U	0	0	0	0	0	0	. 0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

STUDY NO.: 0225 ANIMAL: MOUSE BDF1 REPORT TYPE: A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	istration W	leek-day					· · · · · · · · · · · · · · · · · · ·						
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	377	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
CDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JULIII	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	Ö	0	0	Ö	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FACHYPNEA FACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	istration W	eek-day											
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	Ö	Ö	Ö	0	Ö	0	0	0	Ö	0	Ö
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	Ô	0	Ö	0	Ö	0
	20000 ppm	0 .	0	Ö	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	Ö	0	0	Ö	Ö	ő	Ö	0	Ö	Ô	ő	Ö	Ö	Ö
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	40000 ppm	Ö	Ö	0	Ö	Ö	Ö	Ö	Ö	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	Ŏ	0	0	0	ő	Ö	Õ	Ö	0	0	0
	20000 ppm	0	Ö	ő	0	0	0	0	Ö	0	0	0	0	0	0
	40000 ppm	Ö	Ö	Ö	Ö	0	ő	Ö	Ö	Ö	0	1	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	Ö	0	ŏ	Ö	0	0	Ö	0	0	0	0	Ö	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	ő	0	0	0	0	0	0	0	0	0	1	0	0	0
ACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0		
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	INCH DOOD	v	U	v	v	U	v	U	U	U	v	v	U	U	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name		stration W	leek-day _											
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL A	a	•											_		
IDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	0	Ö
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ŏ	Ö
	20000 ppm	Ö	Ô	Ō	Ö	0	Ŏ	Ö	0	Ö	0	0	0	0	0
	40000 ppm	Ö	0	Ō	Ö	0	Ö	Ö	Ö	Ŏ	0	ő	ő	ő	Ö
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	Ō	Ō	Ö	0	Ö	Ŏ	Ö	0	Ö	ő
	20000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	40000 ppm	ō	0	Ô	Ô	0	Ô	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	Ö	Ö	0	Ö	ő	0	Ö	Ö	0	Ő	0	Ö	0
	20000 ppm	Ő	ő	Ö	Ö	0	0	0	0	0	0	0	0	0	0
	40000 ppm	ő	ő	ő	ő	Ö	ő	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	Ö	0	ő	0	0	0	0	0	0	0
	20000 ppm	0	Ő	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	Ö	0	0	Ő	0	0	. 0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0		
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 PPIII	v	V	v	U	v	V	v	v	U	v	U	U	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admin	istration W	eek-day											
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	1	0	0	Ö	0	Ō	Ö	Ō	Ö	Ö
	40000 ppm	0	Ō	0	0	ō	Ō	0	Ö	Ö	Ö	0	0	Ö	Ö
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	Ō	0	0	0	0	Ö	ŏ	Õ	0	. 0	0
	40000 ppm	Ö	Ö	Ö	0	Ö	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	Ö	Ö	Ŏ	0	Ö	ő	0	0	0	0
	20000 ppm	ő	0	0	0	0	0	0	0	-	-	•			
	40000 ppm	Ö	0	0	0	0	0			0 -	0	0	0	0	0
	40000 pp(II	V	U	U	U	V	V	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	20000 ppm	1	1	1	1	1	1	1	1	1	1	ī	1	î	1
	40000 ppm	0	0	Õ	ō	0	Ô	0	0	Ô	0	0	Ô	0	0
RREGULAR BREATHING	Control	0	1	1	0	0	0	0	0	0	0	0	1	2	1
	10000 ppm	0	1	1	0	1	0	Ō	0	Ö	Ŏ	Ô	1	1	1
	20000 ppm	Ö	Ô	Ô	0	î	Ő	0	0	0	0	0	0	0	1
	40000 ppm	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0
BNORMAL RESPIRATION	Control	0	1	1	0	0	0	0	0	0	0	0	1	2	1
	10000 ppm	ő	1	1	0	1	0	0	0	0	0	0	1	1	1
	20000 ppm	0	0	0	0	1	0		-	-	-	•	_	_	_
				_		_		0	0	0	0	0	0 .	0	1
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

linical sign	Group Name	Admini	istration W	leek-day											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	Ö	Ö	Ö	Ö	0	Ŏ	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	1	1	1	1	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	1	2	2	2	2	2	2	2	2	2	2	2	1	1
	20000 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	1	1	1	1	1	1	1	1	1	1	2	2	1	1
	10000 ppm	1	1	1	2	1	1	1	2	2	2	1	1	0	0
	mag 00002	0	0	0	0	2	2	0	3	1	1	1	1	1	2
	40000 ppm	0	0	0	0	0	0	1	1	2	1	0	0	0	0
BNORMAL RESPIRATION	Control	1	2	2	1	1	1	1	1	1	1	2	2	1	1
	10000 ppm	1	1	1	2	1	1	1	2	2	2	1	1	0	0
	20000 ppm	0	0	0	0	2	2	0	3	1	1	1	1	1	2
	40000 ppm	0	0	0	0	0	0	1	1	2	1	0	0	0	0
ACHYPNEA	Control	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admin	istration	Week-day _			
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1

EDEMA	Control	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	Ō	0	Ö	0	Ö
ANEMIA	Control	0	0	0	0	0	0
MONTH	10000 ppm	0	0	0	0	0	0
	20000 ppm		0	0			
	20000 ppm 40000 ppm	0	0	0	0	0	0
	40000 ppm	U	U	U	0	0	0
CRUSTA	Control	0	0	0	0	1	1
	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	1	1	1
HEMORRHAGE	Control	0	0	0	0	0	0
	10000 ppm	0	Ö	Ö	0	0	Ö
	20000 ppm	0	Ŏ	Ö	Ŏ	0	0
	40000 ppm	0	0	0	0	Ö	0
TORTICOLLIS	Combon	٥	^	٥	^	0	
TOWITCOELIS	Control	0	0	0	0	0	0
	10000 ppm	1	1	1	1	1	1
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0
IRREGULAR BREATHING	Control	1	1	0	0	1	0
	10000 ppm	0	1	0	0	0	0
	20000 ppm	1	1	1	2	0	0
	40000 ppm	0	1	1	1	1	0
ABNORMAL RESPIRATION	Control	1	1	0	0	1	0
and the state of t	10000 ppm	1	1	0	0	0	0
	20000 ppm	1	1	1			
	2000 ppm 40000 ppm	0	1		2	0	0
	MQQ VVVVP	U	1	1	1	1	0
TACHYPNEA	Contral	0	0	0	0	0	0
	10000 ppm	1	1	0	0	0	0
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 73

Clinical sign	Group Name	Admini	stration W	eek-day											
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8~7	9-7	10-7	11-7	12-7	13-7	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DD I DVDIICI	2	•	•	•											
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	Ō	0	0	Ô	Õ	0	0
	20000 ppm	0	0	0	0	Ō	0	0	Ō	0	Ö	Ô	0	0	0
	40000 ppm	0	0	0	0	0	Ö	0	Ö	0	Ö	0	0	0	n
					-	=	•	•	•	·	·	•	v	•	•

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 74

Clinical sign	Group Name	Admini	stration W	eek-day _											
		15 - 7	16 - 7	17-7	18-7 1	19-7 1	20-7	21-7	22-7	23-7	24-7	25-7 1	26-7	27-7	28-7
		1	1		<u> </u>	1		*				<u> </u>			
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	2	1	1	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

ALL ANIM

SEX : FEMALE

PAGE: 75

Clinical sign	Group Name	Admini	stration W	eek-day _											
		29-7 1	30-7 1	31-7 1	32-7 1	33-7 1	34-7 1	35-7 1	36-7 1	37-7 1	38-7 1	39-7 1	40-7	41-7	42-7 1
					·									<u></u>	
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 76

Clinical sign	Group Name	Admini	stration W	eek-day											
		43-7 1	44 - 7 1	45-7 1	46-7 1	47-7	48-7 1	49-7 1	50-7 1	51-7 1	52 - 7	53-7 1	54-7 1	55-7 1	56-7 1
					··						-				
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
DLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(IIAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 77

Clinical sign	Group Name	Admini	istration W	leek-day											
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69~7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BRADYPNEA	Control.	0	0	0	1	٥	٥	0	٥	٥	٨	•	٠	•	
DRADII NER	10000 ppm	0	0	۸	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0		0	0	0	0	0	Ü	0	0	0
	40000 ppm	0	0	0	0	0	0	-	0	U	U	0	0	0	0
	40000 ppili	U	U	U .	U	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	1	0	0	. 0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	Ö	Ö	0	Ŏ	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 78

Clinical sign	Group Name	Admini	stration W	eek-day									•		
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DD 4 DVDVD 4		_													
BRADYPNEA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	1	0	1	0	0	0	1	1	1	0	1	0
	20000 ppm	0	0	0	0	1	0	0	0	0	1	1	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	0	0	1	0	Ö	Õ
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	Ö	0	Ö	Õ	Ö	0	Ô	0
	40000 ppm	0	0	0	0	0	0	0	0	0	Ö	0	Ô	Ô	ő

(HAN190)

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104 CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 79

Clinical sign	Group Name	Admini	stration W	eek-day											
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92~7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BRADYPNEA	Control	0	0	٥	0	0	٥	0	٨	0	0	٥		•	•
BIRDII NER	10000 ppm	0	٥	0	٨	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	۸	0	0	0	0	0	Ų	0	0	0	0	0
	40000 ppm	0	0	۸	0	0	0			0	0	0	0	U	0
	40000 ppili	U	U	U	V	U	U	0	0	0	U	U	U	0	0
SMALL STOOL	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	1	0	0	1	1	1	2	1	1	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	40000 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	1	1	1	1	0	0	1	2	3	2	0	0
	10000 ppm	0	0	0	2	0	1	0	0	0	1	1	1	1	1
	20000 ppm	0	0	0	1	1	1	1	3	2	3	3	3	3	3
	40000 ppm	0	0	0	1	2	1	1	2	3	2	1	1	0	0
SUBNORMAL TEMP	Control	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	10000 ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0	0	0	1	0	Ö	0	Õ	0

(HAN190)

STUDY NO. : 0225 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104 CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

PAGE: 80

Clinical sign	Group Name	Admin	istration	Week-day _			
	·	99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
BRADYPNEA	Control	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0
	10000 ppm	0	0	0	0	0	0
	20000 ppm	0	0	0	1	0	0
	40000 ppm	0	0	0	1	1	0
OLIGO-STOOL	Control	0	0	0	0	0	0
	10000 ppm	1	1	0	1	0	1
	20000 ppm	2	0	0	1	0	0
	40000 ppm	0	0	0	1	1	0
SUBNORMAL TEMP	Control	0	0	۸	٨	٥	۸
SUDMUNIAL IEEE	Control		0	0	0	0	0
	10000 ppm	0	U	0	0	0	0
	20000 ppm	0	0	0	0	0	0
	40000 ppm	0	0	0	0	0	0

(HAN190)

APPENDIX B 1

BODY WEIGHT CHANGES (TOW-YEAR STUDY:SUMMARY)

RAT: MALE

STUDY NO.: 0224 ANIMAL : RAT F344

UNIT : g REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES

(SUMMARY)

ALL ANIMALS

oup Name	Admini	stration	week											
	0		1		2		3		4		5		6	
Control	128±	5	167±	7	196±	8	215±	9	231±	11	245±	14	259±	15
7500 ppm	128±	5	166±	7	193±	9	212±	10	227±	12	240±	14	253±	14
15000 ppm	128±	5	162±	6**	190±	9**	208±	10**	225±	12*	239±	13	251±	14*
30000 ppm	128±	5	159±	6**	185土	8**	202±	9**	216±	10**	227±	12**	240±	14**
Significant difference	; *:P≦(.05	**: P ≤ 0.0	01			Test of D	unnett						

STUDY NO.: 0224 ANIMAL : RAT F344 UNIT : g
REPORT TYPE : A1 104 BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

SEX : MALE

PAGE: 2

roup Name	Admini	stration	week											
	7		8		9		10		11		12		13	
Control	273±	16	285±	17	297±	18	306±	17	317±	18	325±	18	333±	18
7500 ppm	268±	14	281±	14	294±	14	304±	15	315±	15	323±	15	333±	15
15000 ppm	267±	15	279±	15	291±	15	302±	15	313±	16	322±	17	330±	17
30000 ppm	254±	15**	267±	15**	277±	16**	286±	16**	296±	17**	305±	18**	314±	18**
														. 4
Significant difference :	* ; P ≦	0.05	** ; P ≦ 0.0	01			Test of D	unnett						

(HAN260)

ANIMAL : RAT F344 UNIT : g

REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 3

Control 342± 18 355± 18 361± 18 365± 19 374± 19 379± 20 388± 20 7500 ppm 341± 15 356± 15 362± 15 366± 15 375± 16 381± 16 389± 16 15000 ppm 337± 19 351± 19 356± 21 363± 20 368± 22 375± 23 384± 21 30000 ppm 322± 18** 335± 19** 344± 20** 350± 21** 357± 22** 365± 22** 375± 23** Significant difference ; *: P ≤ 0.05 **: P ≤ 0.01 Test of Dunnett	roup Name	Admini	stration	week											
7500 ppm 341± 15 356± 15 362± 15 366± 15 375± 16 381± 16 389± 16 15000 ppm 337± 19 351± 19 356± 21 363± 20 368± 22 375± 23 384± 21 30000 ppm 322± 18** 335± 19** 344± 20** 350± 21** 357± 22** 365± 22** 375± 23**		14		16		18		20		22		24		26	
15000 ppm 337± 19 351± 19 356± 21 363± 20 368± 22 375± 23 384± 21 30000 ppm 322± 18** 335± 19** 344± 20** 350± 21** 357± 22** 365± 22** 375± 23**	Control	342±	18	355±	18	361±	18	365±	19	374±	19	379±	20	388±	20
30000 ppm 322± 18** 335± 19** 344± 20** 350± 21** 357± 22** 365± 22** 375± 23**	7500 ppm	341±	15	356±	15	362±	15	366±	15	375±	16	381±	16	389±	16
	15000 ppm	337±	19	351±	19	356±	21	363±		368±	22	375±	23	384±	21
	30000 ppm	322±	18**	335±	19**	344±	20**	350±		357±	22**	365±	22**	375±	23**
Significant difference: *: P ≤ 0.05 **: P ≤ 0.01 Test of Dunnett															
	Significant differe	ence; *: P ≦ (0.05	**: P ≤ 0.0	01			Test of D	unnett						

(HAN260)

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

REPORT TYPE : A1 104

SEX : MALE

PAGE: 4

roup Name	Admin	istration	n week											
	28		30	.,.,.	32		34		36		38		40	
Control	394±	21	403±	21	410±	21	416±	22	423±	22	428±	22	432±	21
7500 ppm	396±	17	406±	17	413±	17	420±	17	427±	17	433±	17	438±	18
15000 ppm	391±	24	399±	26	406±	26	412±	26	419±	25	424±	27	431±	27
30000 ppm	382±	24*	391±	24*	397±	24*	403±	25*	410±	25*	415±	26*	421±	26
Significant differen	ce; *: P ≦	0.05	**: P ≤ 0.	01			Test of Du	nett				·		
														

(HAN260)

STUDY NO.: 0224 ANIMAL : RAT F344

UNIT : g

REPORT TYPE : A1 104

(SUMMARY) BODY WEIGHT CHANGES

ALL ANIMALS

SEX	:	MALE
עעע	٠	mull

roup Name	Admini	stration	week											
	42		44		46		48		50		52		54	
Control	438±	22	443±	22	447±	23	451±	23	455±	24	459±	23	462±	24
7500 ppm	443±	18	448±	18	453±	18	457±	19	460土	19	465±	19	468±	20
15000 ppm	435±	29	439±	30	443±	31	447±	30	451±	32	455±	32	459±	34
30000 ppm	425±	25*	429±	25*	432±	25*	436±	25**	438±	25**	443±	25**	447±	25**
Significant differer	nce; *:P≦0	.05	**: P ≦ 0.	01			Test of Du	nnett						

(HAN260)

BAIS3

STUDY NO.: 0224 ANIMAL : RAT F344

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

roup Name	Admin	istratio	n week												_
	56		58		60		62		64		66		68		
Control	467±	24	469±	24	474±	24	478± 2	24	481±	26	482±	29	484±	31	
7500 ppm	472±	19	473±	19	477±	20	481± 2	20	484±	19	487±	19	491±	20	
15000 ppm	461±	39	464±	35	467±	37	470± :	39	474±	3 9 ,	475±	46	483±	30	
30000 ppm	451±	26*	451±	27**	455±	28**	457± 2	26**	459±	26**	461±	26**	463±	26**	
Significant difference;	*: P ≦	0.05	** : P ≤ 0.0	01			Test of Dunn	nett							
HAN260)								······································	· · · · · · · · · · · · · · · · · · ·					I	BA

STUDY NO. : 0224 ANIMAL : RAT F344

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES
ALL ANIMALS

(SUMMARY)

PAGE: 7

coup Name	Admini	stration	week											
	70		72		74		76		78		80		82	
Control	487±	28	484±	27	485±	28	487±	28	489±	29	490±	29	491±	30
7500 ppm	489±	21	488±	22	489±	23	490±	24	492±	23	493±	23	492±	23
5000 ppm	482±	30	479±	29	479±	31	478±	38	481±	31	480±	33	480±	32
30000 ppm	463±	25**	462±	25**	463±	25**	463±	27**	462±	-27**	464土	27**	463±	26**
						···								
Significant difference;	*: P ≦	0.05 *	**: P ≦ 0.	01			Test of D	unnett						
AN260)						•••								

(HAN260)

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

REPORT TYPE : A1 104

SEX : MALE

PAGE: 8

7500 ppm 15000 ppm	84 484± 491±	40	86 489± 489±	29	88 488±	27	90 484±	27	92 477±	26	94 472±	29	96 466±	43
7500 ppm						27	484±	27	477±	26	472±	29	466±	43
15000 ppm	491±	24	489±	26										
					490±	31	486±	31	480±	32	479±	41	477±	53
30000 ppm	475±	34	474±	36*	470±	39*	463±	44*	459±	40	453±	43	451±	44
	457±	28**	457±	26**	452±	26**	448±	26**	442±	25**	435±	30**	432±	29**
														
Significant difference; *:	: P ≦	0.05 **	*: P ≦ 0.0	01			Test of D	unnett						

(HAN260)

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

REPORT TYPE : A1 104

SEX : MALE

PAGE: 9

oup Name	Admin	istration	n week						 		 	 	
	98		100		102		104						
Control	470±	31	463±	34	455±	41	451±	46					
7500 ppm	460±	33	455±	37	450±	34	445±	35					
15000 ppm	444±	48*	436±	52*	436±	38	428±	39*					
20000	421±	40**	413±	11++	414±	29**	398±	43**					
30000 ppm	4211	40**	4131	41**	4141	ይ ፀተተ	300 ±	40***					
							*************************************		 -	 	 		
Significant difference	; *:P≦	0.05	**: P ≤ 0.0)1			Test of Dur	nett					
IAN260)									 	 		 ·	

APPENDIX B 2

BODY WEIGHT CHANGES (TOW-YEAR STUDY: SUMMARY)

RAT: FEMALE

STUDY NO.: 0224 ANIMAL : RAT F344

UNIT : g REPORT TYPE: A1 104

SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)

ALL ANIMALS

Group Name Administration week_ 2 3 4 5 6 0 155 ± 7 Control 100± 3 120± 5 131± 6 140± 5 148± 7 159± 8 119± 4 130± 7 140± 5 147土 7 154± 6 157± 7 7500 ppm $100 \pm$ 3 $100 \pm$ 3 119± 4 130± 4 $139 \pm$ 6 147± 5 $154\pm$ 6 158± 7 15000 ppm 30000 ppm 101± 3 117士 4** 128± 5* 136± 5** 143士 7** 148士 8** 153± 8** Significant difference ; $*: P \leq 0.05$ ** : $P \leq 0.01$ Test of Dunnett (HAN260)

BAIS3

REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)

	Admini	stration	week											
	7		8		9		10	- 100	11		12		13	
Control	165±	9	167±	9	173±	10	176±	10	181±	11	183±	12	186±	11
7500 ppm	163±	7	166±	8	171士	8	174±	9	178±	9	180±	9	184±	9
15000 ppm	163±	8	166±	8	171±	8	174±	9	178±	9	180±	10	183±	9
30000 ppm	157±	9**	160±	9**	165±	9**	167±	10**	171±	10**	172±	10**	175±	10**

(HAN260)

BAIS 3

REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY) ALL ANIMALS

PAGE: 12

Group Name	Admini	istration	week										
	. 14		16		18	20		22		24		26	
Control	190±	11	195±	12 199	9± 13	202± :	14	205±	14	209±	15	212±	15
7500 ppm	187±	9	193±	10 196	5± 10	199± :	l1	202±	12	205±	12	209±	12
15000 ppm	185±	9*	189±	10 193	3± 11*	196± :	12*	198±	12*	201±	13*	205±	13*
30000 ppm	178±	10**	182±	11** 186	6± 12**	189±	12**	191±	13**	193±	13**	197±	13**
Significant differe	nce; *:P≦(0.05	**: P ≦ 0.0	1		Test of Dunr	nett						,
TANOCO)				······						·			

(HAN260)

REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY) ALL ANIMALS

Group Name	Admin	istration	week											
	28		30		32		34		36		38		40	
						•								
Control	214土	15	217±	16	220±	16	221±	16	224±	17	228±	18	231士	18
7500 ppm	212±	13	214±	13	218±	14	220±	14	224±	14	227±	15	230±	16
15000 ppm	207±	13*	210±	14*	213±	14	214±	15	219±	16	220±	16*	222±	16*
30000 ppm	198±	14**	201±	14**	204±	14**	205±	16**	211±	14**	212±	14**	214±	14**

Significant difference; $*: P \le 0.05$ $**: P \le 0.01$ Test of Dunnett

(HAN260)

BAIS 3

ANIMAL : RAT F344

UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)

ALL ANIMALS

roup Name	Λdmin	istration	week											
	42		44		46		48		50		52		54	
Control	234±	18	236士	19	238±	20	241±	20	245±	21	250±	21	252±	22
7500 ppm	231±	16	234±	20	238±	16	240±	16	244士	17	249±	18	250±	18
15000 ppm	224±	16**	227±	17*	230±	18*	231±	18*	234±	18**	237±	18**	239±	19**
30000 ppm	216±	14**	219±	14**	221±	15**	222±	15**	225±	15**	228±	16**	230±	18**
Significant differe	ence; *: P ≦	0.05	**: P ≤ 0.0	1			Test of Du	nnett						
HAN260)													·	

REPORT TYPE : A1 104

SEX : FEMALE

(SUMMARY) BODY WEIGHT CHANGES ALL ANIMALS

Group Name	Administration week													
	56		58		60		62		64		66		68	

Control	255±	23	259±	25	262±	25	267±	25	271±	28	274土	28	277±	29
7500 ppm	252±	18	257±	19	260±	20	263±	20	270±	22	275±	23	278±	25
15000 ppm	241±	19**	245±	19**	249±	21**	252±	22**	256±	23**	259±	25**	262±	26*
30000 ppm	233±	18**	234±	17**	239±	20**	240±	21**	243±	20**	245±	20**	248±	22**
												• • •		

Test of Dunnett

(HAN260)

Significant difference; $*: P \le 0.05$ $**: P \le 0.01$

BAIS 3

STUDY NO. : 0224 ANIMAL : RAT F344

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)

ALL ANIMALS (

Group Name Administration week

Group Name	Admin	istration	week				Administration week							
	70		72		74		76		78		80		82	
Control	280±	28	283±	30	287±	29	292±	29	295±	30	298±	31	302±	30
7500 ppm	282±	25	286±	24	290±	24	295±	24	297±	25	301±	27	304±	29
15000 ppm	266±	27*	268±	27**	271±	27**	273±	29**	277±	30**	280±	30**	284生	31**
30000 ppm	250±	21**	253±	22**	254±	27**	257±	27**	259±	28**	262±	28**	267±	27**
	W								· · · · · · · · · · · · · · · · · · ·					
Significant differe	ence; *:P≦(0.05	**: P ≦ 0.0)1			Test of Du	unnett	,					

(HAN260)

BAIS3

STUDY NO.: 0224 ANIMAL : RAT F344

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)

ALL ANIMALS

		Administration week			00				09					
	84		86		88		90		92		94		96	
Control	304±	31	307±	32	309±	33	308±	35	306±	40	309±	38	316±	30
7500 ppm	308±	26	310±	25	311±	26	309±	26	310±	26	307±	28	311±	31
15000 ppm	285±	35**	289±	31**	291±	32**	292±	29*	292±	32	294士	29*	297±	30**
30000 ppm	267±	28**	260±	27**	266±	23**	267±	24**	266±	22**	270±	23**	275±	21**
Significant difference	e; *:P≦(0.05	** : P ≦ 0.0	01			Test of D	unnett						

(HAN260)

BAIS 3

STUDY NO.: 0224 ANIMAL : RAT F344

UNIT : g REPORT TYPE: A1 104

SEX: FEMALE

BODY WEIGHT CHANGES (SUMMARY) ALL ANIMALS

Group Name Administration week_ 98 100 102 104 Control 317± 30 316± 29 314± 31 313± 35 7500 ppm 310± 29 310± 29 311± 28 311± 30 15000 ppm 297± 30** 295± 34** 300± 32 295± 36* 30000 ppm 269士 34** 276± 28** 270士 30** 274士 19** Significant difference ; $*: P \leq 0.05$

Test of Dunnett

** : $P \leq 0.01$

(HAN260)

BAIS3

APPENDIX B 3

BODY WEIGHT CHANGES (TOW-YEAR STUDY:SUMMARY)

MOSUE: MALE

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

PAGE: 1

oup Name	Administratio	n week_				**************************************	
	0	1	2	3	4	5	6
Control	22.5± 0.7	24.1± 0.8	24.9± 0.9	25.9± 1.0	27.0± 1.0	27.9± 1.2	28.6± 1.4
10000 ppm	22.5± 0.7	23.9± 0.9	24.7± 1.3	25.9± 1.0	26.9± 1.1	27.1± 1.7*	28.3± 1.6
20000 ppm	22.5± 0.7	23.6± 1.0	24.7± 0.9	25.8± 1.1	26.9± 0.9	27.3± 1.5	28.4± 1.1
40000 ppm	22.5± 0.7	23.4± 1.2**	24.4± 1.0	25.5± 1.0	26.4± 1.0**	26.8± 1.2**	27.7± 1.3**
	D (0.05			That of Donath			
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES

ALL ANIMALS

PAGE: 2

Administration	week					
7	8	9	10	11	12	13
29.0± 1.6	29.7± 1.7	30.4± 1.8	31.4± 2.0	31.9± 2.2	33.1± 2.2	33.6± 2.3
28.9± 2.0	29.9± 1.8	30.8± 2.0	31.8± 2.1	32.2± 2.1	33.3± 2.1	33.9± 2.3
28.9± 1.2	29.7± 1.4	30.6± 1.3	31.6± 1.4	32.1± 1.6	33.2± 1.5	34.0± 1.6
28.2± 1.4*	29.0± 1.8	29.7± 1.8	30.7± 2.0	31.2± 2.0	32.3± 2.0	32.9± 2.0
; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
	7 29.0± 1.6 28.9± 2.0 28.9± 1.2 28.2± 1.4*	29.0 ± 1.6 29.7 ± 1.7 28.9 ± 2.0 29.9 ± 1.8 28.9 ± 1.2 29.7 ± 1.4 $28.2\pm 1.4*$ 29.0 ± 1.8	7 8 9 29.0± 1.6 29.7± 1.7 30.4± 1.8 28.9± 2.0 29.9± 1.8 30.8± 2.0 28.9± 1.2 29.7± 1.4 30.6± 1.3 28.2± 1.4* 29.0± 1.8 29.7± 1.8	7 8 9 10 29.0 \pm 1.6 29.7 \pm 1.7 30.4 \pm 1.8 31.4 \pm 2.0 28.9 \pm 2.0 29.9 \pm 1.8 30.8 \pm 2.0 31.8 \pm 2.1 28.9 \pm 1.2 29.7 \pm 1.4 30.6 \pm 1.3 31.6 \pm 1.4 28.2 \pm 1.4* 29.0 \pm 1.8 29.7 \pm 1.8 30.7 \pm 2.0	7 8 9 10 11 29.0 \pm 1.6 29.7 \pm 1.7 30.4 \pm 1.8 31.4 \pm 2.0 31.9 \pm 2.2 28.9 \pm 2.0 29.9 \pm 1.8 30.8 \pm 2.0 31.8 \pm 2.1 32.2 \pm 2.1 28.9 \pm 1.2 29.7 \pm 1.4 30.6 \pm 1.3 31.6 \pm 1.4 32.1 \pm 1.6 28.2 \pm 1.4* 29.0 \pm 1.8 29.7 \pm 1.8 30.7 \pm 2.0 31.2 \pm 2.0	7 8 9 10 11 12 29.0 \pm 1.6 29.7 \pm 1.7 30.4 \pm 1.8 31.4 \pm 2.0 31.9 \pm 2.2 33.1 \pm 2.2 28.9 \pm 2.0 29.9 \pm 1.8 30.8 \pm 2.0 31.8 \pm 2.1 32.2 \pm 2.1 33.3 \pm 2.1 28.9 \pm 1.2 29.7 \pm 1.4 30.6 \pm 1.3 31.6 \pm 1.4 32.1 \pm 1.6 33.2 \pm 1.5 28.2 \pm 1.4* 29.0 \pm 1.8 29.7 \pm 1.8 30.7 \pm 2.0 31.2 \pm 2.0 32.3 \pm 2.0

(SUMMARY)

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE: A1 104

SEX : MALE

BODY WEIGHT CHANGES

ALL ANIMALS

PAGE: 3

up Name	Administration	week			•		
	14	16	18	20	22	24	26
Control	34.4± 2.5	35.7± 2.6	37.5± 2.8	38.9± 2.9	39.4± 3.2	40.4± 3.4	41.4± 3.8
10000 ppm	34.8± 2.3	36.0± 2.4	38.1± 2.8	39.5± 3.0	40.3± 3.2	40.9± 3.3	42.0± 3.5
20000 ppm	35.1± 1.8	36.2± 2.1	38.0± 2.1	39.5± 2.3	40.4± 2.5	41.5± 2.7	42.6± 2.9
40000 ppm	33.9± 2.1	35.1± 2.3	36.6± 2.4	38.0± 2.6	38.7± 2.8	39.5± 2.8	40.6± 2.9
Significant differenc	re; *:P≦0.05	**: P ≤ 0.01		Test of Dunnett			

(SUMMARY)

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES

ALL ANIMALS

GES (SUMMARY)

TOUP Name	Administrati	on week					
	28	30	32	34	36	38	40
Control	42.3± 4.0	43.3± 4.2	44.7± 4.1	45.2± 4.4	45.9± 4.1	46.2± 4.1	46.6± 4.2
10000 ppm	43.0± 3.7	44.1± 3.7	45.4± 4.0	45.8± 3.9	46.1± 3.8	46.5± 3.8	47.0± 3.7
20000 ppm	43.9± 3.1	44.8± 3.2	46.4± 3.3	46.8± 3.1	46.8± 2.9	47.1± 2.9	47.8± 3.1
40000 ppm	41.6± 3.2	42.6± 3.3	43.9± 3.2	44.3± 3.1	44.4± 2.9	44.6± 3.0	45.1± 3.1
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
AN260)	 	· 					

BAIS3

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

roup Name	Administration	n week					
	42	44	46	48	50	52	54
Cantrol	47.0± 4.5	47.6± 4.1	47.8± 4.2	48.0± 4.4	49.2± 4.0	50.2± 4.0	49.2± 3.9
10000 ppm	47.4± 3.6	48.6± 3.6	48.3± 3.5	48.4± 3.4	49.0± 3.4	50.0± 3.3	49.7± 3.1
20000 ppm	48.3± 2.9	49.1± 2.8*	49.2± 2.7	49.3± 2.7	50.0± 2.6	50.9± 2.7	49.9± 2.6
40000 ppm	45.2± 3.2**	46.2± 3.0	46.4± 3.0	46.7± 3.1	47.1± 3.2**	47.6± 4.0**	46.8± 4.0**
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
IAN260)		T-7-8-W-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1				·-····	

BAIS3

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

oup Name	Administration week						
	56	58	60	62	64	66	68
Control	49.5± 4.1	49.2± 4.0	50.4± 4.0	51.4± 4.0	51.5± 3.9	51.5± 3.7	51.8± 3.9
10000 ppm	49.6± 3.4	49.4± 3.6	50.2± 3.5	51.0± 3.4	51.5± 3.5	51.1± 4.0	52.2± 3.1
20000 ppm	49.8± 2.8	50.0± 2.7	51.4± 2.5	51.9± 2.5	52.3± 2.6	51.9± 2.8	51.9± 4.1
40000 ppm	46.6± 4.0**	46.5± 4.5**	47.9± 4.8**	49.0± 2.8**	49.4± 3.1*	48.9± 3.4**	48.8± 4.9**
		· · · · · · · · · · · · · · · · · · ·					
Significant difference	; *:P≦0.05	**: P ≤ 0.01		Test of Dunnett			
AN260)	- //						

(HAN260)

BAIS3

ANIMAL : MOUSE BDF1
UNIT : g

REPORT TYPE : A1 104

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

SEX : MALE

croup Name	Administration week							
	70	72	74	76	78	80	82	
Control	52.2± 3.9	52.7± 3.9	52.9± 4.0	52.9± 4.4	53.2± 4.3	53.3± 4.4	53.7± 4.7	
10000 ppm	52.1± 3.1	52.7± 3.1	52.9± 3.1	52.7± 3.1	53.0± 3.1	53.5± 3.4	53.1± 3.6	
20000 ppm	52.5± 3.4	52.4± 4.3	52.6± 4.5	53.2± 5.1	53.1± 5.3	53.3± 5.5	52.9± 5.8	
40000 ppm	49.2± 4.2**	49.5± 4.7**	49.9± 5.1**	50.0± 5.7*	50.0± 6.4*	51.0± 5.3	50.4± 6.2**	
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett				
.N260)		Wananti.						

(HAN260)

BAIS3

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : AI 104

SEX : MALE

BODY WEIGHT CHANGES (SUMMARY) ALL ANIMALS

Group Name	Administrati	on week						
	84	86	88	90	92	94	96	
Control	53.7± 5.2	53.0± 5.7	52.4± 6.2	51.6± 7.2	51.8± 7.8	51.5± 8.8	51.4± 8.0	
10000 ppm	53.3± 4.5	53.1± 5.0	53.6± 5.1	53.0± 5.9	54.1± 5.2	53.4± 6.4	53.2± 5.9	
20000 ppm	52.4± 6.9	52.9± 6.7	52.7± 7.1	51.3± 7.4	51.9± 7.5	50.9± 7.9	50.0± 8.1	
40000 ppm	50.9± 5.5	50.1± 6.1	49.9± 6.7	49.3± 7.3	50.3± 6.6	49.4± 7.4	48.1± 7.8	
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett				
HAN260)								

BAIS3

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

BODY WEIGHT CHANGES

(SUMMARY)

ALL ANIMALS

roup Name	Administrati	ian week			
	98	100	102	104	
Control	50.8± 7.3	49.9± 7.9	49.9± 7.8	49.5± 8.6	
10000 ppm	53.8± 4.7	53.1± 4.9	52.6± 5.1	52.3± 5.0	
20000 ppm	49.3± 8.5	49.3± 8.2	48.5± 8.2	48.0± 8.5	
40000 ppm	47.3± 8.7	46.0± 9.3	46.4± 9.0	46.6± 9,7	
Significant difference;	*: P ≦ 0.05	**: P ≤ 0.01		Test of Dunnett	
N260)		· · · · ·			

APPENDIX B 4

BODY WEIGHT CHANGES (TOW-YEAR STUDY: SUMMARY)

MOSUE: FEMALE

STUDY NO. : 0225 ANIMAL : MOUSE BDF1

UNIT : g REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

PAGE: 10

roup Name	Administratio	on week								
	0	1	2	3	4	5	6			
Control .	18.1± 0.6	19.2± 0.7	19.8± 0.7	20.6± 0.8	21.5± 0.9	22.0± 0.9	22.5± 1.0			
10000 ppm	18.1± 0.6	19.2± 0.6	19.9± 0.7	20.7± 0.8	21.6± 0.9	21.7± 0.9	22.4± 0.7			
20000 ppm	18.1± 0.6	19.0± 0.9	19.6± 0.7	20.5± 0.6	21.3± 0.8	21.4± 1.4	22.4± 0.9			
40000 ppm	18.1± 0.6	19.3± 0.7	19.7± 0.7	20.7± 0.8	21.5± 0.8	21.2± 1.7	22.2± 0,9			
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett	- 1400-					

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

40000 ppm

22.6± 1.0

23.0± 1.2

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

 23.5 ± 1.1

(SUMMARY)

Group Name Administration week_ 12 7 8 9 10 11 13 Control 22.8± 1.2 23.2 ± 1.1 23.6± 1.2 24.0± 1.3 23.9± 1.4 24.9± 1.5 24.4± 1.7 10000 ppm 22.5 ± 1.2 23.1± 1.1 23.7± 1.0 24.1± 0.9 23.9± 1.1 24.1± 1.2 24.4± 1.1 20000 ppm 23.2± 0.9 22.6± 0.9 23.7± 1.0 24.0± 1.1 23.7± 0.9 24.4± 1.5 24.1± 1.4

Significant difference; $*: P \leq 0.05$ **: $P \leq 0.01$ Test of Dunnett (HAN260)

24.0± 1.1

 23.9 ± 1.2

BAIS 3

24.1± 1.3

24.3± 1.5

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)

ALL ANIMALS

Group Name	Administration week								
	14	16	18	20	22	24	26		
Control	24.7± 1.7	25.4± 2.2	26.4± 2.3	26.8± 2.4	27.0± 2.7	27.4± 3.0	28.1± 3.2		
10000 ppm	24.7± 1.2	25.4± 1.4	26.2± 1.5	26.8± 1.7	27.4± 1.9	26.9± 1.7	27.9± 1.9		
20000 ppm	24.5± 1.5	25.0± 1.6	26.1± 1.7	26.4± 1.8	27.2± 2.3	27.5± 2.3	27.5± 2.7		
40000 ppm	24.6± 1.4	25.0± 1.7	25.9± 1.6	26.4± 1.8	26.9± 2.0	27.1± 2.1	27.3± 2.4		
				, pin a - mate - Ap					
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett					
IAN260)			3 % (· · · · · · · · · · · · · · · · · · · ·				BAIS	

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

PAGE: 13

p Name	Administratio	n week					
	28	30	32	34	36	38	40
Control	29.0± 3.0	29.4± 3.3	30.4± 3.5	30.4± 3.9	30.9± 4.0	30.6± 3.6	31.7± 3.8
10000 ppm	28.6± 2.1	29.1± 2.4	30.4± 2.6	30.3± 2.7	31.0± 2.9	30.8± 2.9	31.6± 3.0
20000 ppm	28.3± 2.8	28.4± 3.1	30.0± 2.8	29.6± 3.0	30.5± 3.0	30.1± 3.0	31.0± 3.2
40000 ppm	27.4± 2.0*	28.1± 2.6	29.0± 2.8	29.6± 2.6	29.8± 2.8	29.7± 3.2	30.3± 3.2
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett		·	

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES

ALL ANIMALS

PAGE: 14

oup Name	Administration	week		***************************************	· · · · · · · · · · · · · · · · · · ·		
	42	44	46	48	50	52	54
Cantrol	31.9± 3.6	31.9± 3.9	31.6± 4.0	32.8± 3.9	32.6± 4.3	33.0± 4.2	32.3± 3.9
10000 ppm	31.6± 3.0	32.0± 3.5	31.8± 3.2	33.0± 3.2	32.8± 3.4	32.8± 3.2	32.3± 2.8
20000 ppm	31.3± 3.1	31.6± 3.5	31.2± 3.3	32.1± 3.3	32.2± 3.4	33.0± 3.8	32.4± 3.5
40000 ppm	29.7± 2.9**	30.4± 3.0	30.4± 3.1	30.9± 3.2*	31.3± 3.0	32.0± 3.5	31.6± 3.0
				P			
Significant differen	ce; $*: P \le 0.05$	**: P ≦ 0.01		Test of Dunnett			
AN260)				-			

(SUMMARY)

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

PAGE: 15

Group Name	Administrati	an week					
	56	58	60	62	64	66	68
Control	32.8± 4.3	33.2± 3.7	34.1± 4.5	35.3± 4.7	35.8± 4.7	36.3± 4.8	36.5± 4.9
10000 ppm	31.6± 3.2	32.6± 3.2	34.1± 3.4	34.8± 3.6	35.3± 4.1	35.9± 3.9	36.2± 4.6
20000 ppm	31.9± 3.6	32.6± 3.4	33.9± 4.0	34.3± 4.0	35.6± 4.0	35.2± 3.9	35.1± 4.1
40000 ppm	31.7± 3.0	32.4± 3.3	33.0± 3.1	33.5± 3.4	34.6± 3.5	34.3± 3.1	34.4± 3.4
	**************************************			M-Miles			
Significant difference;	*: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			
HAN260)	*****						

(SUMMARY)

ANIMAL : MOUSE BDF1
UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY) ALL ANIMALS

PAGE: 16

p Name	Administratio	n week	***************************************				
	70	72	74	76	78	80	82
Control	36.4± 4.1	36.7± 4.9	37.4± 4.8	37.2± 5.3	38.1± 5.2	37.8± 5.2	38.3± 5.7
10000 ppm	36.2± 4.3	36.3± 4.1	36.7± 4.6	37.5± 4.8	37.4± 4.9	37.8± 5.2	38.0± 5.2
20000 ppm	35.3± 3.9	36.3± 4.1	36.3± 4.0	37.0± 4.6	37.1± 4.6	37.6± 4.5	37.8± 4.4
40000 ppm	34.4± 3.3	34.9± 3.7	35.0± 3.8	35.9± 3.5	36.0± 3.8	36.4± 4.5	36.2± 3.6*
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 17

oup Name	Administratio	on week					
	84	86	88	90	92	94	96
Control	37.7± 5.7	38.0± 5.6	37.8± 5.6	37.6± 5.8	36.8± 5.9	37.1± 6.1	36.3± 6.3
10000 ppm	38.1± 5.2	37.1± 5.2	36.9± 5.2	36.4± 5.3	36.7± 5.7	36.0± 5.5	35.3± 5.6
20000 ppm	37.6± 4.9	37.6± 4.6	37.5± 5.5	37.1± 4.8	36.0± 4.7	36.7± 5.0	35.9± 5.5
40000 ppm	36.6± 4.1	36.1± 3.5	36.3± 3.7	35.9± 4.0	35.9± 4.2	35.9± 4.5	35.3± 4.5
Cimitian differen		D C 0 00					
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY) ALL ANIMALS

PAGE: 18

oup Name	Administrati	on week			
	98	100	102	104	
Control	37.6± 6.8	36.4± 4.8	36.6± 4.7	36.2± 4.3	
10000 ppm	35.3± 4.9	36.3± 4.5	36.5± 5.0	35.4± 4.2	
20000 ppm	35.8± 5.6	35.4± 5.3	34.7± 6.0	36.1± 3.1	
40000 ppm	35.0± 3.5	35.4± 3.9	34.5± 4.5	34.9± 4.2	
Significant difference;	*: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett	
N260)					

APPENDIX C 1

WATER CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY)

RAT: MALE

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 1

oup Name	Administration	week			,		
	1	2	3	4	5	6	7
Control	19.6± 1.4	20.8± 1.4	21.8± 2.8	22.3± 3.1	21.6± 3.7	20.8± 2.2	20.8± 2.2
7500 ppm	20.6± 2.1*	21.9± 2.7	21.6± 1.4	22.3± 2.1	22.9± 4.1	21.9± 2.7*	21.5± 1.8
15000 ppm	21.7± 2.9**	22.8± 5.1**	22.6± 2.1**	23.0± 2.4*	22.9± 2.6**	22.8士 2.4**	22.7± 2.9**
30000 ppm	20.4± 2.2	20.1± 2.4	20.2± 1.9*	20.8± 2.2*	20.4± 2.1	20.3± 2.1	19.9± 1.8
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
HAN260)							

(HAN260)

STUDY NO.: 0224 ANIMAL : RAT F344 UNIT : g

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

REPORT TYPE : A1 104 SEX : MALE

PAGE: 2

Group Name	Administration	week					
	8	9	10	11	12	13	14
Control	21.7± 2.2	21.9± 2.4	21.4± 2.7	21.7± 3.2	20.7生 3.2	21.6± 2.2	22.2± 2.9
7500 ppm	22.2± 2.1	22.4± 1.6	21.9± 2.3	21.7± 1.9	20.9± 1.4	21.8± 1.5	21.8± 1.1
15000 ppm	23.0± 2.2*	23.1± 3.0	22.5± 2.2	22.1± 1.6*	21.4± 1.9	22.1± 1.6	22.8± 1.7*
30000 ppm	20.4± 2.2**	20.7± 2.1*	21.0± 2.5	21.0± 2.6	21.0± 3.1	21.4± 2.1	21.4± 1.8
Significant differen	nce; *: P ≤ 0.05	**: P ≦ 0.01		Test of Dunnett			
(nynecu)							

(HAN260)

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 3

roup Name	Administration	week					
	16	18	20	22	24	26	28
Control	19.7± 2.3	19.3± 1.8	20.1± 2.9	19.1± 3.1	18.6± 1.9	19.1± 1.8	18.6± 1.9
7500 ppm	19.6± 1.2	19.3± 1.3	19.9± 2.1	19.4± 2.1	19.0± 1.5	19.1± 1.2	19.5± 2.0**
15000 ppm	20.1± 1.2	19.8± 1.9	20.7± 2.8	19.4± 1.4	19.9± 2.9**	20.3± 1.7**	19.7± 1.1**
30000 ppm	19.7± 1.7	19.8± 1.7	19.7± 1.7	19.3± 1.7	19.7± 1.7**	20.3± 1.5**	20.3± 1.5**
			4,400,000				
Significant differe	ence; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260) BAIS 3

UNIT : g REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 4

roup Name	Administration	week					
······································	30	32	34	36	38	40	42
Control	18.8± 1.9	18.4± 1.8	17.5± 2.5	18.6± 1.9	18.5± 1.8	18.8± 1.9	18.9± 1.9
7500 ppm	19.2± 1.2*	19.0± 1.1*	18.0± 1.1**	18.9± 1.0	18.9± 0.9*	19.2± 1.3	19.4± 1.1
15000 ppm	19.6± 1.1**	18.9± 1.9**	18.4± 1.5**	19.6± 2.5**	19.2± 1.8**	19.6± 1.2**	19.8± 1.2**
30000 ppm	20.0± 1.4**	19.8± 1.3**	18.6± 1.5**	19.9± 1.6**	19.6± 1.5**	20.1± 1.4**	20.3± 1.3**
Significant differe	ence; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
(HAN260)							

ANIMAL : RAT F344 UNIT : g

REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

· .

PAGE: 5

roup Name	Administration	week				,	
	44	46	48	50	52	54	56
Control	19.4± 1.9	19.5± 2.1	20.0 ± 2.0	20.2± 2.3	20.0± 2.1	20.1± 2.3	20.3± 1.9
7500 ppm	19.8± 1.2	20.0± 1.1	20.3± 1.1	20.5± 1.4	20.5± 2.4	20.4± 1.1	20.4± 1.4
15000 ppm	20.7± 1.6**	20.6± 2.2**	21.6± 2.2**	21.1± 1.4**	20.8± 1.6**	21.4± 1.5**	21.1± 2.7**
30000 ppm	21.3± 1.9**	21.0± 1.6**	22.0± 1.6**	21.7± 1.7**	21.7± 1.7**	22.6± 1.7**	22.1± 2.0**
Significant difference;	*: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			
HVN3EO)							

(HAN260)

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 6

roup Name	Administration	week_					
	58	60	62	64	66	68	70
Control	20.5± 2.0	20.1± 2.1	20.3± 2.2	20.0± 2.2	20.0± 2.8	19.1± 2.9	20.6± 2.7
7500 ppm	20.5± 1.3	20.1± 1.4	19.7± 2.4	20.3± 1.9	20.6± 1.6	19.9± 1.9	20.4± 1.7
15000 ppm	21.4± 1.8*	20.6± 1.9	20.9± 2.2	21.3± 3.1*	21.4± 2.6**	20.5± 2.4**	21.4± 2.1
30000 ppm	22.0± 1.9**	21.7± 2.3**	22.1± 2.1**	22.0± 1.6**	22.0± 2.1**	21.3± 2.0**	22,2± 2.0**
Significant differe	ence; *:P≦0.05 ×	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

UNIT : g REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 7

roup Name	Administration	week					
· · · · · · · · · · · · · · · · · · ·	72	74	76	78	80	82	84
Control	19.4± 2.2	20.3± 2.6	20.8± 2.8	22.1± 2.9	20.6± 2.9	22.1± 3.2	21.5± 3.7
7500 ppm	19.5± 1.9	21.1± 2.9	20.9± 3.2	22.6± 4.7	21.3± 3.6	22.3± 3.3	22.2± 3.2
15000 ppm	20.8± 2.5*	21.9± 3.5*	22.1± 2.9	23.2± 3.3	22.0± 3.7	23.3± 3.8	23.3± 4.4
30000 ppm	21.6± 2.5**	22.7± 2.5**	22.4± 3.0*	24.4± 3.1**	23.0± 3.1**	24.0± 2.7*	24.3± 4.1**
Significant differe	ence; *: P ≦ 0.05	**: P ≤ 0.01		Test of Dunnett			
HAN260)							

STUDY NO.: 0224 ANIMAL : RAT F344 UNIT : g
REPORT TYPE : A1 104 WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 8

oup Name	Administrati	on week					
	86	88	90	92	94	96	98
Control	23.5± 3.9	23.5± 3.8	23.9± 5.1	24.2± 4.8	23.8± 5.6	23.9± 5.4	26.4± 6.7
7500 ppm	23.2± 3.6	23.8± 3.5	23.2± 3.7	24.8± 5.6	23.4± 4.4	24.7± 4.9	25.8± 6.6
15000 ppm	24.3± 4.9	23.6± 3.4	23.8± 5.4	23.9± 4.8	24.2± 5.2	26.3± 6.1	27.6± 6.8
30000 ppm	24.3± 3.3	24.2± 3.4	23.9± 3.6	25.1± 4.3	24.7± 4.4	26.5± 5.4	25.1± 7.8
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

ANIMAL : RAT F344

UNIT : g REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 9

Group Name	Administratio	on week			
	100	102	104		
Control	26.1± 5.0	29.4± 7.3	26.8± 4.9		
7500 ppm	26.2± 5.3	26.4± 7.9	26.1± 6.9		
15000 ppm	26.2± 6.5	28.7± 8.5	26.2± 7.3		
30000 ppm	25.4± 6.2	26.7± 5.2	26.1± 7.0		
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01	Test	t of Dunnett	
(HAN260)					BAIS

APPENDIX C 2

WATER CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY)

RAT: FEMALE

STUDY NO.: 0224 ANIMAL : RAT F344 UNIT : g REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 10

oup Name	Administration	week					
	- 1	2	3	4	5	6	7
Control	17.3± 3.9	18.0± 6.0	17.5± 3.6	17.7± 5.6	17.7± 4.0	18.4± 6.3	17.6± 4.9
7500 ppm	18.8± 5.8**	20.9± 8.8**	19.9± 5.3**	19.1生 4.5**	18.5± 4.5	19.6± 6.4	21.1± 8.6*
15000 ppm	17.3± 1.3*	18.3± 4.7	19.0± 4.8**	18.9± 3.4**	19.0± 5.6	20.3± 7.6	18.6± 5.4
30000 ppm	17.7± 1.9**	17.1± 4.7	16.6± 1.9	17.3± 4.4	16.2± 1.9	17.2± 4.2	16.6± 4.7
Significant differer	nce; *: P ≦ 0.05	**: $P \le 0.01$		Test of Dunnett			

(HAN260)

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 11

roup Name	Administration	week					
	8	9	10	11	12	13	14
Control	18.2± 4.7	19.3± 6.2	19.3± 5.9	19.7± 6.8	19.3± 7.3	18.7± 5.0	20.1± 5.4
7500 ppm	20.1± 6.3	20.6± 6.5	21.2± 7.7	20.0± 6.6	19.0± 5.5	20.2± 6.6	20.6± 5.1
15000 ppm	19.4± 6.3	19.5± 5.5	18.4± 3.5	19.6± 5.7	18.6± 6.0	17.5± 3.4	20.8± 6.5
30000 ppm	17.5± 6.5	16.7± 4.1*	16.7± 4.7**	15.7± 3.9**	17.9± 7.8	17.2± 4.9	18.0± 5.6
Significant differen	ice; *:P≦0.05	** : P ≤ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : RAT F344
UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 12

oup Name	Administratio	on week					
	16	18	20	22	24	26	28
Control	18.7± 6.5	19.5± 6.2	19.6± 6.3	18.2± 5.6	18.5± 5.4	18.1± 5.9	17.7± 5.3
7500 ppm	19.5± 6.2	18.8± 4.3	18.7± 4.4	19.5± 6.9	19.0± 4.8	20.0± 6.6	18.1± 4.5
15000 ppm	19.5± 6.6	19.8± 5.7	19.3± 5.4	18.2± 4.6	19.5± 6.3	19.4± 5.9	18.1± 4.7
30000 ppm	15.7± 3.5*	16.3± 3.1**	16.8± 3.7*	16.5± 5.1	17.3± 5.2	17.8± 5.2	16.7± 4.2
Significant difference;	*: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			

(HAN260)

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 13

TOUP Name	Administrati	on week					
	30	32	34	36	38	40	42
Control	16.5± 4.0	15.7± 2.8	14.8± 3.8	16.7± 5.5	15.6± 2.6	16.3± 4.3	17.3± 6.8
7500 ppm	18.7± 5.3*	17.9± 5.3	15.9± 4.0*	19.9± 8.0	17.7± 5.1	18.0± 4.8	18.9± 7.0
15000 ppm	17.5± 4.5	19.3± 7.2	16.0± 4.3*	18.1± 5.4	18.4± 6.2	17.6± 5.5	17.7± 4.5
30000 ppm	15.9± 3.8	17.7± 5.4	14.7± 2.3	16.8± 4.3	16.4± 4.6	16.4± 4.1	16.9± 5.0
Significant difference;	*: $P \leq 0.05$	$**: P \leq 0.01$		Test of Dunnett			
AN260)							BA

UNIT : g
REPORT TYPE : AI 104
SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 14

roup Name	Administration	week					
	44	46	48	50	52	54	56
Control	16.7± 4.1	16.0± 3.1	16.7± 3.2	17.4± 5.7	17.5± 5.7	16.2± 2.7	15.6± 3.1
7500 ppm	17.9± 4.9	17.4± 3.6	18.0± 3.2	19.1± 5.5	19.3± 5.9	17.9± 3.9*	17.7± 4.5**
15000 ppm	17.3± 3.0	17.8± 3.8	18.6± 4.8	19.0± 5.7	18.3± 5.1	16.8± 2.6	17.9± 4.9**
mqq 0000E	18.3± 5.9	18.1± 4.0*	17.9± 4.5	18.4± 4.2	19.0± 5.7	18.3± 2.9**	18.9± 4.6**
Significant differ	ence; *: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			

(HAN260)

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 15

Administration	week				····	
58	60	62	64	66	68	70
16.5± 2.4	15.7± 3.8	16.5± 3.0	16.1± 3.5	16.0± 3.1	14.9± 2.7	15.7± 3.5
18.9± 4.5**	17.6± 3.4**	18.6± 4.6*	18.2± 4.6	18.3± 5.1**	16.8± 3.9*	16.3± 3.6
18.7± 4.8*	18.5± 5.1**	17.4± 3.0	17.2± 4.0	16.8± 3.1	16.3± 3.1	16.4± 3.2
18.0± 3.2*	18.7± 4.9**	18.0± 5.3	17.8± 3.5	18.8± 5.4**	17.5± 3.4**	17.9± 3.7*
			200			
e; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
	58 16.5± 2.4 18.9± 4.5** 18.7± 4.8* 18.0± 3.2*	16.5 ± 2.4 15.7 ± 3.8 $18.9 \pm 4.5 **$ $17.6 \pm 3.4 **$ $18.7 \pm 4.8 *$ $18.5 \pm 5.1 **$ $18.0 \pm 3.2 *$ $18.7 \pm 4.9 **$	58 60 62 16.5 ± 2.4 15.7 ± 3.8 16.5 ± 3.0 $18.9\pm 4.5**$ $17.6\pm 3.4**$ $18.6\pm 4.6*$ $18.7\pm 4.8*$ $18.5\pm 5.1**$ 17.4 ± 3.0 $18.0\pm 3.2*$ $18.7\pm 4.9**$ 18.0 ± 5.3	58 60 62 64 16.5± 2.4 15.7± 3.8 16.5± 3.0 16.1± 3.5 18.9± 4.5** 17.6± 3.4** 18.6± 4.6* 18.2± 4.6 18.7± 4.8* 18.5± 5.1** 17.4± 3.0 17.2± 4.0 18.0± 3.2* 18.7± 4.9** 18.0± 5.3 17.8± 3.5	58 60 62 64 66 16.5± 2.4 15.7± 3.8 16.5± 3.0 16.1± 3.5 16.0± 3.1 18.9± 4.5** 17.6± 3.4** 18.6± 4.6* 18.2± 4.6 18.3± 5.1** 18.7± 4.8* 18.5± 5.1** 17.4± 3.0 17.2± 4.0 16.8± 3.1 18.0± 3.2* 18.7± 4.9** 18.0± 5.3 17.8± 3.5 18.8± 5.4**	58 60 62 64 66 68 16.5± 2.4 15.7± 3.8 16.5± 3.0 16.1± 3.5 16.0± 3.1 14.9± 2.7 18.9± 4.5** 17.6± 3.4** 18.6± 4.6* 18.2± 4.6 18.3± 5.1** 16.8± 3.9* 18.7± 4.8* 18.5± 5.1** 17.4± 3.0 17.2± 4.0 16.8± 3.1 16.3± 3.1 18.0± 3.2* 18.7± 4.9** 18.0± 5.3 17.8± 3.5 18.8± 5.4** 17.5± 3.4**

(HAN260)

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 16

roup Name	Administratio	n week			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	72	74	76	78	80	82	84
Control	15.3± 3.1	15.9± 4.5	15.8± 2.7	16.9± 4.1	15.5± 2.5	17.1± 3.9	16.5± 2.9
7500 ppm	16.9± 3.7*	17.8± 3.3**	17.5± 3.4*	18.0± 3.0*	17.9± 4.1**	19.4± 4.9*	19.1± 4.2**
15000 ppm	17.0± 5.1	17.2± 4.6	17.7± 4.0*	18.7± 3.5**	17.6± 4.4*	19.2± 4.1*	17.9± 3.5*
30000 ppm	18.5± 5.0**	18.2± 5.2**	17.9± 4.3**	18.9± 5.8**	19.0± 6.2**	19.9± 3.8*	20.9± 6.3**
		····	-				
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
HAN260)							

STUDY NO.: 0224
ANIMAL: RAT F344
UNIT: g
REPORT TYPE: A1 104

WATER CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

REPORT TYPE : SEX : FEMALE

PAGE: 17

Group Name	Administration	week					
	86	88	90	92	94	96	98
Control	17.5± 3.2	17.1± 2.6	16.9± 4.8	17.7± 4.2	17.9± 4.3	18.9± 3.8	19.0± 4.2
7500 ppm	19.6± 3.6*	19.4± 3.9**	18.6± 3.7	19.8± 4.2	18.4± 4.2	20.8± 4.6	20.0± 5.1
15000 ppm	18.9± 3.2	18.8± 3.3*	18.2± 3.5	19.8± 3.8	19.0± 3.8	20.2± 4.8	20.2± 4.7
30000 ppm	19.8± 4.6*	19.9± 4.3**	19.7± 4.0*	20.9± 5.8*	20.5± 4.9	22.4± 5.5**	21.7± 5.6
Significant difference;	* : P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			
HAN260)				·			

UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 18

Group Name	Administration	n week				
	100	102	104			
Control	19.5± 4.3	20.5± 5.3	20.5± 5.7			
7500 ppm	21.1± 5.4	23.0± 6.6	22.9± 5.5			
15000 ppm	20.9± 5.8	22.4± 4.7	21.6± 4.8			
30000 ppm	21.0± 7.2	19.1± 4.7	21.6± 4.6		•	
Significant differenc	ce; *: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett		
HAN260)						BAIS

APPENDIX C 3

WATER CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY)

MOSUE: MALE

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 1 Group Name Administration week_ 1 2 3 5 6 4 Control 4.9 ± 0.6 5.0 ± 0.8 4.7± 0.6 6.1± 2.0 6.9± 6.0 6.6± 3.1 9.7 ± 7.5 10000 ppm 5.3士 0.7** 5.1 ± 0.8 5.0± 0.7* 5.5 ± 0.9 5.2 ± 1.6 6.3 ± 2.2 6.4 ± 2.6 5.2 ± 0.7 20000 ppm 5.2 ± 0.6 5.2± 0.9** 5.9 ± 0.9 5.6 ± 1.3 6.7± 1.9* 6.9 ± 2.8 40000 ppm 5.6± 0.8** 5.6± 0.7** 5.7生 0.8** 7.0± 1.1** 7.2± 3.4** 7.2± 2.4** 7.8± 3.6 Significant difference; $*: P \leq 0.05$ **: $P \leq 0.01$ Test of Dunnett (HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104 SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 2

oup Name	Administration	week					
	8	9	10	11	12	13	14
Control	7.2± 5.6	6.3± 3.5	5.9± 2.5	6.4± 3.1	6.4± 3.6	6.9± 5.4	6.4± 3.6
10000 ppm	6.4± 3.3	6.2± 1.0	5.7± 1.6	5.4± 1.2	5.8± 1.6	5.5± 2.0	5.4± 1.0
20000 ppm	6.9± 2.5*	6.7± 1.6**	6.0± 1.7	6.5± 3.6	5.9± 1.0*	5.6± 2.6	6.1± 2.8*
40000 ppm	7.6± 2.9**	7.0± 1.8**	6.4± 1.4**	6.6± 2.7*	6.4± 1.3**	6.0± 1.7*	6.2± 2.0**
					- 1320B of Ann		
Significant differen	nce; *:P≦0.05 *	*: P ≤ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 3

oup Name	Administration week						
	16	18	20	22	24	26	28
Control	7.2± 6.3	6.8± 5.6	5.3± 2.9	5.2± 2.4	5.2± 4.3	4.9± 2.4	5.2± 2.6
10000 ppm	5.6± 2.2	4.9± 0.5	4.6± 0.8	4.7± 0.6	4.7± 1.8	4.7± 0.7*	4.4± 0.6
20000 ppm	5.5± 1.8	5.3± 1.7	4.9± 1.1	5.0± 1.1	4.4± 0.5	4.5± 0.3	4.8± 1.6
40000 ppm	5.9± 1.8**	5.7± 1.5	5.3± 1.4**	5.6± 1.2**	5.2± 1.7**	4.8± 0.5**	4.9± 0.5**
Significant differend	ce; *: P ≤ 0.05 *	* : P ≦ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 4

oup Name	Administration week							
	30	32	34	36	38	40	42	
Contral	5.2± 2.3	5.5± 3.7	5.0± 3.0	4.9± 1.6	4.4± 1.1	4.9± 2.0	4.9± 2.0	
10000 ppm	4.4± 0.8	4.3± 0.4	4.4± 0.7	4.6± 0.6	4.2± 0.3	4.4± 0.4	4.6± 0.8	
20000 ppm	4.6± 1.3	4.6± 1.0	4.8± 3.2	4.5± 1.3	4.6± 1.6	4.9± 1.1	4.9± 0.8	
40000 ppm	4.7± 1.1	5.1± 0.8**	4.9± 0.6**	4.8± 0.5	4.6± 0.5**	5.0± 0.6**	4.8± 0.9*	
		1.004						
Significant differen	ce; *:P≦0.05	**: P ≤ 0.01		Test of Dunnett				

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

L ANIMALS

oup Name	Administration	Administration week								
	44	46	48	50	52	54	56			
Control	5.3± 2.3	5.6± 3.9	6.2± 5.7	5.1± 2.3	4.5± 1.2	5.4± 2.5	5.1± 1.4			
10000 ppm	4.6± 0.4	4.4± 0.4	4.7± 0.4*	4.6± 0.4	4.3± 0.6	4.6± 0.4	4.7± 0.5			
20000 ppm	4.9± 1.4	4.7± 1.1	4.9± 0.5	4.7± 0.8	4.5± 0.7	4.8± 0.6	5.0± 0.9			
40000 ppm	5.2± 1.5	5.0± 0.5**	5.4± 1.0**	5.0± 1.3**	4.8± 0.9**	5.2± 1.9	5.5± 2.0**			
					gr = 1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,					
Significant differe	ence; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett						

(HAN260)

BAIS 3

PAGE: 5

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 6

oup Name	Administration week									
	58	60	62	64	66	68	70			
Cantrol	5.2± 2.3	5.3± 2.1	4.9± 1.3	5.3± 1.9	5.0± 0.9	5.2± 1.9	4.7± 1.2			
10000 ppm	4.5± 0.4	4.6± 0.7	4.5± 0.5	5.5± 5.5	5.0± 1.0	4.6± 0.5	4.4± 0.3			
20000 ppm	5.0± 0.6*	5.0± 0.5	4.5± 0.4	4.8± 0.6	4.9± 0.7	4.9± 0.9	4.6± 0.6			
40000 ppm	5.3± 1.5**	5.2± 1.3*	4.8± 0.6	5.2± 0.8	5.2± 1.3	5.3± 1.8	5.1± 1.7**			
			one to the second		Million I		1911			
Significant differen	ce; *:P≦0.05 *	*: P ≤ 0.01		Test of Dunnett						

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 7

oup Name	Administration week								
	72	74	76	78	80	82	84		
Control	5.1± 1.8	4.8± 0.9	5.6± 2.8	5.0± 1.8	5.2± 1.4	5.2± 1.0	5.1± 1.0		
10000 ppm	4.4± 0.3	4.6± 0.7	4.5± 0.5**	4.5± 0.4	4.7± 0.4	4.6± 0.6**	4.7± 1.0		
20000 ppm	4.8± 0.7	4.8± 0.8	5.1± 1.4	4.9± 0.8	5.1± 1.2	5.0± 1.4	5.1± 1.9		
40000 ppm	5.5± 2.7*	5.8± 2.9**	5.9± 3.1	5.5± 2.5	5.5± 1.7	5.6± 2.2	6.0± 2.8		
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett					
N260)									

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : Al 104

SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 8

oup Name	Administration week								
	86	88	90	92	94	96	98		
Control	5.1± 1.7	5.9± 2.9	5.9± 4.0	5.5± 1.9	5.3± 2.1	5.6± 2.2	5.5± 2.1		
10000 ppm	5.0± 2.1	5.0± 1.0	4.9± 1.8	5.0± 0.4	4.7± 0.6	5.1± 1.1	4.9± 0.8		
20000 ppm	5.4± 2.0	5.9± 2.3	6.6± 3.5*	6.7± 3.2**	6.8± 4.2*	7.4± 4.7**	6.9± 4.1**		
40000 ppm	6.3± 3.6	6.6± 4.1	7.2± 6.1	7.1± 5.5*	7.3± 5.3*	7.3± 5.4	8.2± 5.9**		
Significant differenc	ne; *:P≦0.05	**: P ≤ 0.01		Test of Dunnett					

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

SEX : MALE					PAGE: 9
Group Name	Administration				
	100	102	104		
Cantrol	6.2± 2.8	6.2± 2.9	6.3± 3.3		
10000 ppm	5.0± 1.0	5.3± 1.3	5.2± 0.7		
20000 ppm	6.5± 2.5	6.1± 2.4	6.5± 2.2		
40000 ppm	8.0± 5.5	8.0± 6.5	8.0± 5.7		
Significant difference	* · D < 0 00	. D < 0.01			
Significant difference; (HAN260)	* · r ≥ 0.05	**: P ≦ 0.01	Test of Dunne	ətt	2116.3
.iai1200)					BAIC

(HAN260)

APPENDIX C 4

WATER CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY)

MOSUE: FEMALE

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

(HAN260)

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

oup Name	Administration	week					
	1	2	3	4	5	6	7
Control	4.7± 0.4	4.6± 0.6	4.6± 0.6	5.8± 1.3	6.0± 2.6	6.1± 2.5	7.8± 3.5
10000 ppm	4.8± 0.4	5.0± 0.6**	4.9± 0.7	5.5± 1.1	6.3± 2.9	7.4± 3.8**	8.3± 5.2
20000 ppm	4.9± 0.7**	5.3± 0.7**	5.4± 0.7**	7.2± 2.1**	7.5± 4.4*	8.1± 4.9**	7.4± 3.4
40000 ppm	5.6± 0.6**	5.6± 0.6**	5.7± 0.7**	7.8± 3.4**	6.8± 3.2*	7.7± 2.9**	8.0± 3.3
	The state of the s			····	**************************************		
Significant differen	nce; *:P≦0.05 *	*: P ≤ 0.01		Test of Dunnett			

BAIS 3

PAGE: 10

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

OUP Name	Administration	week				· ·	
	8	9	10	11	12	13	14
Control	6.3± 2.2	7.5± 4.3	7.0± 5.6	8.0± 4.5	7.7± 4.5	8.5± 7.4	10.0± 8.0
10000 ppm	8.9± 7.4*	8.1± 3.9	7.5± 6.1	8.1± 4.3	8.1± 3.8	7.8± 5.7	9.4± 6.2
20000 ppm	7.6± 3.2**	7.4± 3.8	7.6± 5.2*	8.7± 7.2	7.8± 5.0	9.4± 7.7	9.3± 6.4
40000 ppm	8.1± 4.6**	7.5± 4.2	6.8± 3.1**	7.1± 2.4	7.3± 3.2	8.0± 6.7	8.3± 4.9
Significant difference:	*: P < 0.05	** · P < 0.01		Test of Disposit		7999-004-0-	
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett		**************************************	

PAGE: 11

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 12

oup Name	Administration	week					
	16	18	20	22	24	26	28
Control	8.3± 5.9	8.0± 6.1	8.4± 8.0	7.0± 5.6	7.7± 6.1	6.7± 3.7	7.9± 7.6
10000 ppm	7.9± 4.2	7.5± 3.6	6.7± 2.8	6.9± 3.1	6.4± 3.0	6.1± 2.3	6.2± 2.7
20000 ppm	7.2± 3.8	7.7± 4.1	6.1± 2.5	6.3± 2.2	6.2± 1.9	6.5± 2.1	6.2± 2.2
40000 ppm	7.0± 2.5	7.3± 3.6	6.8± 4.8	6.1± 2.4	7.1± 4.1	6.1± 1.9	6.4± 3.5
		·! 			19-110-41		V-300
Significant difference	e; *:P≦0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1
UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 13

30	32					
	ა2	34	36	38	40	42
7.2± 3.8	7.3± 4.9	6.6± 4.0	6.6± 5.7	5.9± 3.5	6.0± 3.0	6.1± 2.8
6.9± 3.1	5.8± 1.8	5.6± 2.6	6.2± 2.4	5.8± 2.7	6.0± 2.6	6.8± 3.9
5.9± 2.1	6.0± 1.9	6.5± 4.5	6.4± 2.9	6.0± 2.4	6.6± 3.7	6.6± 3.4
6.1± 2.3	6.8± 4.1	6.1± 2.0	6.0± 3.3	5.4± 2.1	5.8± 1.7	5.4± 1.5
m • P < 0.05			Total of Donath			
•	6.9± 3.1 5.9± 2.1 6.1± 2.3	$6.9\pm$ 3.1 $5.8\pm$ 1.8 $5.9\pm$ 2.1 $6.0\pm$ 1.9 $6.1\pm$ 2.3 $6.8\pm$ 4.1	$6.9\pm$ 3.1 $5.8\pm$ 1.8 $5.6\pm$ 2.6 $5.9\pm$ 2.1 $6.0\pm$ 1.9 $6.5\pm$ 4.5 $6.1\pm$ 2.3 $6.8\pm$ 4.1 $6.1\pm$ 2.0	$6.9\pm$ 3.1 $5.8\pm$ 1.8 $5.6\pm$ 2.6 $6.2\pm$ 2.4 $5.9\pm$ 2.1 $6.0\pm$ 1.9 $6.5\pm$ 4.5 $6.4\pm$ 2.9 $6.1\pm$ 2.3 $6.8\pm$ 4.1 $6.1\pm$ 2.0 $6.0\pm$ 3.3	$6.9\pm\ 3.1$ $5.8\pm\ 1.8$ $5.6\pm\ 2.6$ $6.2\pm\ 2.4$ $5.8\pm\ 2.7$ $5.9\pm\ 2.1$ $6.0\pm\ 1.9$ $6.5\pm\ 4.5$ $6.4\pm\ 2.9$ $6.0\pm\ 2.4$ $6.1\pm\ 2.3$ $6.8\pm\ 4.1$ $6.1\pm\ 2.0$ $6.0\pm\ 3.3$ $5.4\pm\ 2.1$	$6.9\pm\ 3.1$ $5.8\pm\ 1.8$ $5.6\pm\ 2.6$ $6.2\pm\ 2.4$ $5.8\pm\ 2.7$ $6.0\pm\ 2.6$ $5.9\pm\ 2.1$ $6.0\pm\ 1.9$ $6.5\pm\ 4.5$ $6.4\pm\ 2.9$ $6.0\pm\ 2.4$ $6.6\pm\ 3.7$ $6.1\pm\ 2.3$ $6.8\pm\ 4.1$ $6.1\pm\ 2.0$ $6.0\pm\ 3.3$ $5.4\pm\ 2.1$ $5.8\pm\ 1.7$

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104 SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 14

roup Name	Administration	week					
	44	46	48	50	52	54	56
Control	6.1± 2.3	5.4± 1.7	5.6± 1.3	6.3± 2.3	5.2± 1.4	6.3± 3.3	6.5± 4.4
10000 ppm	6.6± 3.7	6.2± 4.1	6.5± 3.3	6.5± 3.1	5.5± 2.3	7.2± 5.5	6.2± 3.3
20000 ppm	7.0± 4.4	6.2± 4.9	5.9± 1.6	6.6± 5.7	5.7± 2.5	6.1± 2.8	5.9± 1.8
40000 ppm	5.6± 1.4	5.6± 1.5	5.8± 1.3	6.0± 2.1	5.3± 1.0	5.5± 1.5	5.6± 1.3
Significant difference	ce; *:P≦0.05	**: P ≦ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : AI 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 15

oup Name	Administration	week					
	58	60	62	64	66	68	70
Control	5.5± 2.5	5.3± 1.8	5.1± 1.8	4.9± 1.2	5.6± 2.8	5.0± 1.7	4.7± 1.7
10000 ppm	5.5± 2.1	5.9± 2.5	5.1± 1.9	5.4± 2.2	5.2± 2.0	5.1± 1.8	4.7± 1.7
20000 ppm	5.6± 2.6	5.9± 2.9	5.0± 1.8	5.8± 2.5	6.0± 5.6	5.7± 3.5	5.0± 1.7
40000 ppm	5.1± 1.0	5.6± 1.9	4.7± 0.8	5.3± 1.3	4.9± 0.7	4.9± 0.9	4.9± 1.6
				9,00,000			
Significant differer	nce; *:P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 16

oup Name	Administratio	on week					
	72	74	76	78	80	82	84
Control	4.8± 1.2	5.1± 2.5	4.7± 2.2	4.7± 1.9	4.8± 1.9	4.5± 1.2	4.4± 1.3
10000 ppm	4.8± 1.4	5.1± 2.6	5.0± 2.1	4.2± 1.0	4.8± 1.7	4.6± 1.5	4.7± 1.4
20000 ppm	5.5± 2.1	5.2± 1.4	5.2± 1.8*	4.9± 1.5	5.5± 2.3	5.0± 0.9	5.0± 1.3**
40000 ppm	5.0± 0.9	5.1± 0.9**	5.0± 0.9*	4.8± 1.1	5.4± 1.9	5.1± 1.5*	5.4± 2.1**
Significant difference;	*: P ≦ 0.05	** : P ≤ 0.01		Test of Dunnett			
MN260)							

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 17

oup Name	Administration	week					
	86	88	90	92	94	96	98
Control	4.4± 1.0	4.7± 1.3	4.6± 0.9	4.3± 0.9	4.3± 1.1	4.8± 1.2	4.7± 0.7
10000 ppm	4.5± 0.9	4.8± 1.3	4.5± 0.6	4.6± 1.1	4.4± 0.9	4.6± 1.0	4.4± 0.9
20000 ppm	5.0± 1.5*	5.3± 1.6	5.4± 1.3**	5.3± 1.4**	5.2± 1.2**	5.4± 1.0*	5.5± 1.4*
40000 ppm	5.0± 1.1*	5.4± 1.4	5.2士 1.3**	5.6± 2.2**	5.9± 2.8**	6.6± 6.0*	6.1± 4.0**
							44
Significant difference	; *: P ≦ 0.05	$** : P \leq 0.01$		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

Gr	oup Name	Administration week		
		100	102	104
_				
	Control	4.9± 0.8	4.7± 0.9	4.7± 0.8
	10000 ppm	5.1± 1.0	4.8± 0.8	4.7± 0.9
	20000 ppm	6.3± 2.8*	6.4± 3.7*	5.5± 0.9**
	40000 ppm	5.8± 2.1*	5.8± 2.5*	6.3± 3.2**

Significant difference; $*:P \le 0.05$ $**:P \le 0.01$

Test of Dunnett

(HAN260)

BAIS 3

PAGE: 18

APPENDIX D 1

FOOD CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY)

RAT: MALE

ANIMAL : RAT F344 UNIT : g

REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

roup Name	Administration	week					
	1	2	3	4	5	6	7
Control	15.8± 1.0	16.3± 1.1	16.0± 0.9	16.3± 1.2	16.4± 1.4	15.8± 1.5	16.4± 1.4
7500 ppm	15.7± 0.9	16.2± 0.9	15.9± 0.9	16.1± 1.2	16.0± 1.2	15.6± 1.2	16.2± 1.1
15000 ppm	15.4± 0.9	16.0± 1.2	16.0± 1.1	16.3± 1.3	16.1± 1.5	15.9± 1.5	16.5± 1.7
30000 ppm	14.5± 0.8**	15.2± 0.9**	15.1± 0.9**	15.4± 1.2**	15.2± 1.3**	14.4± 1.3**	14.9± 1.2**
Significant difference ;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
HAN260)					- 	****	

PAGE: 1

STUDY NO.: 0224
ANIMAL: RAT F344
UNIT: g
REPORT TYPE: A1 104

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

SEX : MALE

PAGE: 2

roup Name	Administr	ation week											
	8	9		10		11		12		13		14	
Control	16.4± 1.5	i 16.2±	1.3	16.1±	1.1	16.5±	1.1	16.1±	1.1	16.6±	1.0	16.5±	1.0
7500 ppm	16.3± 1.0) 16.5±	0.8	16.2±	0.8	16.7±	0.8	16.4±	1.0	16.5±	0.8	16.3±	0.8
15000 ppm	16.2± 1.2	2 16.6±	1.7	16.5±	1.5	16.8±	0.9	16.5±	1.5	16.7±	1.3	16.7±	1.3
30000 ppm	15.1± 1.1	** 15.2±	1.0**	15.1±	1.1**	15.5±	1.2**	15.3±	1.0**	15.4±	1.0**	15.6±	1.0**
Significant difference ;	*: P ≤ 0.05	**:P≦0	.01		_	Test of D	unnett	,					

(HAN260)

STUDY NO.: 0224 ANIMAL : RAT F344 UNIT : g

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

REPORT TYPE : A1 104 SEX : MALE

PAGE: 3

Group Name	Administrati	on week					
	18	22	26	30	34	38	42
Control	15.8± 0.9	16.1± 1.2	16.2± 1.2	16.6± 1.1	16.1± 1.1	16.1± 0.9	16.8± 1.0
7500 ppm	16.0± 0.9	16.3± 1.2	16.5± 1.1	17.0± 1.0	16.4± 1.0	16.5± 0.8*	17.1± 0.9
15000 ppm	16.1± 1.7	16.0± 1.2	16.4± 0.9	17.1± 1.9	16.7± 2.2	16.3± 1.1	17.3± 2.0
30000 ppm	15.4± 1.0	15.7± 1.2	16.2± 1.1	16.3± 1.1	15.8± 1.2	16.0± 1.1	16.4± 1.0*
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
IAN260)	· · · · · · · · · · · · · · · · · · ·						

(HAN260)

ANIMAL : RAT F344

UNIT : g REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 4

roup Name	Administration	week					
	46	50	54	58	62	66	70
Control	16.9± 1.0	17.0± 1.1	17.4± 1.0	17.5± 1.4	18.0± 1.1	17.7± 1.7	17.5± 1.0
7500 ppm	17.1± 0.9	17.1± 1.0	17.7± 1.0	17.3± 0.9	17.7± 1.8	18.1± 1.1	17.2± 1.2
15000 ppm	17.1± 2.2	17.2± 1.5	18.0± 2.0	17.4± 1.8	18.0± 2.3	17.8± 1.7	16.7± 1.8*
30000 ppm	16.2± 1.1**	16.3± 1.1**	17.1± 1.1	17.3± 3.9**	16.9± 1.0**	16.7± 1.1**	16.3± 1.2**
· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·		
Significant differ	rence; *: P ≦ 0.05 ×	*: P ≦ 0.01		Test of Dunnett			

(HAN260)

STUDY NO.: 0224 ANIMAL : RAT F344 FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

PAGE: 5

roup Name	Administration	week				·	
	74	78	82	86	90	94	98
Control	17.6± 1.2	17.6± 1.4	17.5± 1.8	17.3± 1.2	17.2± 1.6	16.6± 1.6	16.9± 2.0
7500 ppm	17.5± 1.5	17.5± 2.8	17.2± 1.2	16.9± 1.9	17.1± 1.3	16.9± 2.3	16.4± 2.2
15000 ppm	17.3± 1.3	17.4± 1.3	16.7± 1.5*	16.9± 1.5	16.3± 1.9	16.1± 1.7	16.0± 1.7
30000 ppm	16.6士 1.3**	16.4± 1.7**	16.3士 1.2**	16.1± 1.3**	15.9± 1.3**	15.2± 2.2**	14.0± 3.3**
Significant differe	ence; *: P ≦ 0.05	**: P ≤ 0.01		Test of Dunnett			
HAN260)							

STUDY NO.: 0224 ANIMAL : RAT F344

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

Group Name	Administration	week		
	102	104		
Control	16.9± 1.9	17.2± 1.9		
7500 ppm	16.2± 1.9	16.7± 2.0		
15000 ppm	15.9± 1.9	15.7± 2.7*		
30000 ppm	14.6± 1.5**	13.9± 3.2**		
Significant differen	nce; *:P≦0.05	** : P ≤ 0.01	Test of Dunnett	
(HAN260)				BAIS

PAGE: 6

APPENDIX D 2

FOOD CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY)

RAT: FEMALE

STUDY NO. : 0224 ANIMAL : RAT F344

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 7

oup Name	Administration	Administration week									
	1	2	3	4	5	6	7				
Control	11.8± 0.5	11.2± 0.7	11.4± 0.8	11.4± 0.8	11.4± 0.7	10.5± 1.0	10.8± 1.0				
7500 ppm	11.6± 0.5	11.2± 0.9	11.2± 0.8	11.2± 0.8	11.2± 0.8	10.3± 0.8	10.3± 0.9*				
5000 ppm	11.9± 0.5	11.8± 0.6**	11.5± 0.7	11.8± 0.8	11.5± 0.9	11.3± 0.9**	10.9± 1.0				
30000 ppm	11.5± 0.6*	11.4± 0.6	11.2± 0.7	11.3± 0.9	11.2± 1.0	10.5± 0.9	10.6± 1.0				
Significant differer	nce; *:P≦0.05	** : P ≦ 0.01		Test of Dunnett							

(HAN260)

ANIMAL : RAT F344 UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 8

roup Name	Administration week						
	8	9	10	11	12	13	14
Control	10.4± 1.1	10.8± 1.0	10.6± 1.0	10.7± 1.0	10.3± 0.9	10.3± 0.8	10.7± 0.8
7500 ppm	10.1± 1.0	10.4± 0.9	10.2± 0.9	10.1± 0.8**	10.0± 0.7	9.8± 0.7**	10.4± 0.8
15000 ppm	10.7± 0.9	10.9± 0.8	10.6± 0.8	10.6± 0.8	10.2± 0.8	10.0± 0.7	10.4± 0.8
30000 ppm	10.2± 0.9	10.6± 1.2	10.0± 0.9**	10.0± 0.8**	9.7± 0.8**	9.8± 0.7**	10.2± 0.8**
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

STUDY NO.: 0224 ANIMAL : RAT F344 UNIT : g

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

REPORT TYPE : A1 104 SEX : FEMALE

PAGE: 9

roup Name	Administration week									
	18	22	26	30	34	38	42			
Control	11.2± 0.9	11.2± 1.0	11.3± 0.9	11.1± 1.0	10.7± 0.9	11.2± 0.9	11.5± 0.9			
7500 ppm	10.7± 0.8*	10.7± 0.9*	11.1± 0.9	10.9± 0.8	10.6± 0.8	10.7± 0.9*	10.8± 1.3**			
15000 ppm	10.8± 0.9	10.9± 0.8	11.3± 0.9	11.0± 0.9	10.8± 0.9	10.8± 0.9	11.0± 0.8*			
30000 ppm	10.3± 0.8**	10.5± 0.8**	11.0± 0.8	10.7± 0.8	10.5± 0.9	10.7± 0.7**	11.1± 0.7*			
Significant difference;	*: $P \le 0.05$	** : P ≦ 0.01		Test of Dunnett						
IAN260)							I			

ANIMAL : RAT F344 UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 10

Group Name	Administration	week			···		
	46	50	54	58	62	66	70
Control	11.3± 1.0	11.8± 0.9	12.1± 0.8	12.5± 1.1	12.7± 1.0	12.1± 1.0	12.2± 0.9
7500 ppm	11.3± 0.9	11.7± 0.9	11.8± 0.9	12.2± 1.1	12.3± 1.4	12.2± 1.2	11.9± 1.2
15000 ppm	11.3± 0.9	11.3± 0.8*	11.8± 0.9	12.1± 0.9	12.0± 1.1**	11.8± 1.0	11.9± 1.1
30000 ppm	11.2± 0.7	11.4± 0.7	11.9± 1.0	11.5± 0.9**	11.7± 1.6**	11.6± 1.2	11.8± 1.6
Significant differe	ence; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett		-	

(HAN260)

STUDY NO. : 0224 ANIMAL : RAT F344 UNIT : g FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

REPORT TYPE : A1 104 SEX : FEMALE

PAGE: 11

Group Name	Administration week									
	74	78	82	86	90	94	98			
Control	12.6± 1.1	12.8± 1.0	13.1± 1.3	13.0± 1.4	12.6± 1.8	12.9± 1.6	13.0± 1.4			
7500 ppm	12.6± 1.3	12.4± 1.1	12.9± 1.2	12.6± 1.2	12.3± 1.3	12.1± 1.7	12.3± 2.4			
15000 ppm	12.2± 1.2	12.4± 1.6	12.6± 1.1	12.3± 1.5	12.5± 1.1	12.6± 1.4	12.3± 2.1			
30000 ppm	12.0± 2.4	12.0± 2.6	12.8± 2.0	11.7± 3.5	12.2± 1.1	12.7± 1.7	11.9± 2.3			
Significant difference;	*: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett						
HAN260)										

STUDY NO.: 0224 ANIMAL : RAT F344 UNIT : g

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

REPORT TYPE : A1 104 SEX : FEMALE

PAGE: 12

Group Name	Administration	week		
	102	104		
Control	13.1± 2.2	13.4± 1.7		
7500 ppm	12.9± 1.1	12.8± 1.3		
15000 ppm	13.0± 1.2	12.3± 2.4		
30000 ppm	11.2± 3.2*	11.7± 1.8**		
		- Ang 4/- (m)		
Significant differe	ence; $*:P \leq 0.05$	**: P \le 0.01	Test of Dunnett	

(IIAN260)

APPENDIX D 3

FOOD CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY)

MOSUE: MALE

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

Group Name	Administration week_				
		^	^	-	

oup Name	Administration	Administration week								
	1	2	3	4	5	6	7			
Control	3.7± 0.2	3.7± 0.2	3.8± 0.3	3.7± 0.2	3.8± 0.3	4.1± 0.7	3.7± 0.2			
10000 ppm	3.7± 0.8	3.7± 0.2	3.7± 0.2	3.6± 0.3**	3.7± 0.4	4.0± 0.3	3.7± 0.3			
20000 ppm	3.7± 0.2	3.7± 0.2	3.7± 0.2	3.6± 0.3	3.7± 0.4	4.0± 0.3	3.3± 0.2**			
40000 ppm	3.6± 0.3	3.6± 0.2	3.7± 0.2	3.7± 0.2	3.6± 0.3	3.9± 0.3	3.3± 0.2**			
Significant difference	e; *:P≦0.05	**: P ≦ 0.01		Test of Dunnett						

PAGE: 1

BAIS 3 (HAN260)

ANIMAL : MOUSE BDF1
UNIT : g

REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 2

up Name	Administration week							
	8	9	10	11	12	13	14	
Control	3.9± 0.2	3.8± 0.2	4.0± 0.4	3.9± 0.2	4.0± 0.2	3.9± 0.2	3.8± 0.2	
10000 ppm	3.8± 0.3	3.8± 0.2	3.9± 0.2	3.8± 0.2	3.9± 0.2	3.8± 0.2	3.8± 0.3	
20000 ppm	3.8± 0.2	3.8± 0.2	3.9± 0.2	3.8± 0.3	3.9± 0.3	3.9± 0.3	3.8± 0.2	
40000 ppm	3.7± 0.3	3.8± 0.3	3.8± 0.2**	3.8± 0.2	3.8± 0,2**	3.8± 0.2	3.7± 0.2*	
Significant difference;	$*: P \leq 0.05$	** : $P \le 0.01$		Test of Dunnett				

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 3

up Name	Administration	week					
	18	22	26	30	34	38	42
Control	4.1± 0.3	4.2± 0.2	4.1± 0.3	4.4± 0.3	4.4± 0.4	4.6± 0.3	4.6± 0.4
10000 ppm	4.1± 0.3	4.1± 0.2	4.1± 0.3	4.4± 0.3	4.4± 0.3	4.5± 0.3	4.5± 0.2
20000 ppm	4.1± 0.2	4.2± 0.3	4.1± 0.2	4.4± 0.3	4.4± 0.3	4.5± 0.2	4.5± 0.2
40000 ppm	3.9± 0.3*	4.1± 0.2	4.0± 0.2	4.3± 0.3	4.3± 0.2	4.4± 0.3*	4.3± 0.3**
Significant differenc	e; *: P ≦ 0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 4

oup Name	Administration week								
	46	50	54	58	62	66	70		
Cantrol	4.6± 0.3	4.7± 0.3	4.5± 0.3	4.5± 0.2	4.7± 0.4	4.7± 0.3	4.8± 0.3		
10000 ppm	4.5± 0.2	4.7± 0.3	4.5± 0.2	4.5± 0.3	4.4± 0.3**	4.5± 0.3*	4.6± 0.3*		
20000 ppm	4.5± 0.3	4.7± 0.3	4.5± 0.3	4.5± 0.3	4.5± 0.3**	4.6± 0.3*	4.6± 0.3		
40000 ppm	4.5± 0.3	4.6± 0.3**	4.3± 0.4**	4.3± 0.4**	4.4± 0.2**	4.5± 0.2**	4.6± 0.4**		
Significant difference	ce; $*: P \le 0.05$	**: P ≤ 0.01		Test of Dunnett					

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 5

oup Name	Administration	week			······································		
	74	78	82	86	90	94	98
Control	4.8± 0.3	4.8± 0.4	5.1± 0.4	4.9± 0.6	4.9± 1.1	4.7± 0.8	4.6± 0.8
10000 ppm	4.7± 0.3	4.7± 0.3	4.8± 0.3**	4.9± 0.3	4.9± 0.7	4.7± 0.6	4.8± 0.4
20000 ppm	4.7± 0.4	4.8± 0.4	4.9± 0.6*	4.8± 0.3	4.7± 1.1	4.8± 0.6	4.7± 0.7
40000 ppm	4.7± 0.3	4.8± 0.4	4.8± 0.6*	4.7± 0.6	4.8± 0.5	4.6± 0.4	4.7± 0.6
		· · · · · · · · · · · · · · · · · · ·					
Significant difference	ce; *:P≦0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

SEX : MALE				PAGE: 6
Group Name	Administrati	ian week		
	102	104		
Control	4.6± 1.1	4.6± 0.6		
10000 ppm	4.7± 0.4	4.5± 0.4		
20000 ppm	4.5± 1.0	4.4± 0.6		
40000 ppm	4.4± 1.1	4.5± 0.5		•
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01	Test of Dunnett	
(HAN260)				BAIS 3

APPENDIX D 4

FOOD CONSUMPTION CHANGES (TOW-YEAR STUDY: SUMMARY)

MOSUE: FEMALE

ANIMAL : MOUSE BDF1
UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 7

oup Name	Administration week									
	1	2	3	4	5	6	7			
Control	3.2± 0.2	3.2± 0.2	3.4± 0.2	3.4± 0.2	3.4± 0.2	3.7± 0.2	3.5± 0.3			
10000 ppm	3.2± 0.2	3.3± 0.2	3.4± 0.2	3.3± 0.2	3.5± 0.2	3.6± 0.2	3.4± 0.3			
20000 ppm	3.2± 0.2	3.2± 0.2	3.5± 0.2*	3.5± 0.2	3.4± 0.3	3.7± 0.2	3.5± 0.3			
40000 ppm	3.2± 0.2	3.2± 0.2	3,5± 0.2**	3.5± 0.2	3.4± 0.4	3.7± 0.3	3.5± 0.3			
Significant difference	; *: P ≤ 0.05	**: P ≦ 0.01		Test of Dunnett						
AN260)		*** · 1 ad 0.01	*************************************	Test of politier						

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE: A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 8

roup Name	Administration	week				•	
	8	9	10	11	12	13	14
Cantrol	3.6± 0.2	3.6± 0.2	3.6± 0.2	3.6± 0.2	3.7± 0.3	3.5± 0.3	3.3± 0.3
10000 ppm	3.6± 0.2	3.6± 0.2	3.6± 0.2	3.6± 0.3	3.7± 0.2	3.5± 0.3	3.4± 0.3
20000 ppm	3.6± 0.3	3.7± 0.2	3.6± 0.2	3.6± 0.2	3.7± 0.3	3.6± 0.3	3.4± 0.3
40000 ppm	3.6± 0.3	3.7± 0.2	3.6± 0.3	3.6± 0.2	3.6± 0.3	3.5± 0.3	3.4± 0.2
Significant differenc	e; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 9

Control 3.8± 0.4 3.7± 0.6 3.8± 0.6 4.1± 0.4 4.0± 0.6 4.0± 0.5 4.1± 10000 ppm 3.8± 0.3 3.9± 0.4* 3.8± 0.4 4.0± 0.6 4.0± 0.6 4.2± 0.4 4.1± 20000 ppm 3.9± 0.3 3.9± 0.4* 3.8± 0.4 4.0± 0.5 3.9± 0.6 4.1± 0.6 4.1± 40000 ppm 3.8± 0.3 3.7± 0.4 3.9± 0.4 3.9± 0.6 4.2± 0.5 4.1± 0.5 3.9± Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01 Test of Durnett		Administration week									
10000 ppm 3.8± 0.3 3.9± 0.4* 3.9± 0.4 4.1± 0.6 4.0± 0.6 4.2± 0.4 4.1± 20000 ppm 3.9± 0.3 3.9± 0.4* 3.8± 0.4 4.0± 0.5 3.9± 0.6 4.1± 0.6 4.1± 40000 ppm 3.8± 0.3 3.7± 0.4 3.9± 0.4 3.9± 0.6 4.2± 0.5 4.1± 0.5 3.9±		42	38	34	30	26	22	18			
20000 ppm 3.9± 0.3 3.9± 0.4* 3.8± 0.4 4.0± 0.5 3.9± 0.6 4.1± 0.6 4.1± 40000 ppm 3.8± 0.3 3.7± 0.4 3.9± 0.4 3.9± 0.6 4.2± 0.5 4.1± 0.5 3.9±	0.6	4.1±	4.0± 0.5	4.0± 0.6	4.1± 0.4	3.8± 0.6	3.7± 0.6	3.8± 0.4	Control		
40000 ppm 3.8± 0.3 3.7± 0.4 3.9± 0.4 3.9± 0.6 4.2± 0.5 4.1± 0.5 3.9±	0.5	4.1±	4.2± 0.4	4.0± 0.6	4.1± 0.6	3.9± 0.4	3.9± 0.4*	3.8± 0.3	10000 ppm		
40000 ppm 3.8± 0.3 3.7± 0.4 3.9± 0.4 3.9± 0.6 4.2± 0.5 4.1± 0.5 3.9±	0.5	4.1±	4.1± 0.6	3.9± 0.6	4.0± 0.5	3.8± 0.4	3.9± 0.4*	3.9± 0.3	20000 ppm		
Significant difference; *: P ≤ 0.05 **: P ≤ 0.01 Test of Dunnett	0.6*	3.9±	4.1± 0.5	4.2± 0.5	3.9± 0.6	3.9± 0.4		3.8± 0.3	40000 ppm		
Significant difference; *:P≦0.05 **:P≦0.01 Test of Dunnett				**************************************	g. 1990, 10 - 19 de 1940 -						
					Test of Dunnett		** : $P \le 0.01$	*: P ≤ 0.05	Significant difference;		

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 10

roup Name	Administration week_								
	46	50	54	58	62	66	70		
Control	4.0± 0.5	4.2± 0.6	3.9± 0.6	4.1± 0.6	4.4± 0.7	4.1± 0.6	4.3± 0.6		
10000 ppm	4.1± 0.5	4.3± 0.5	4.1± 0.4	4.1± 0.4	4.3± 0.6	4.1± 0.5	4.2± 0.5		
20000 ppm	4.2± 0.5	4.4± 0.5	4.1± 0.4	4.2± 0.5	4.3± 0.5	4.1± 0.9	4.3± 0.6		
40000 ppm	4.2± 0.5	4.4± 0.5	4.1± 0.6	4.2± 0.6	4.3± 0.5	4.1± 0.5	4.2± 0.6		
Significant difference	; *:P≤0.05	**: P ≤ 0.01	7000 A. D. C.	Test of Dunnett			- A-1/		

(HAN260)

ANIMAL : MOUSE BDF1
UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 11

oup Name	Administration week								
	74	78	82	86	90	94	98		
Control	4.5± 0.8	4.4± 0.8	4.6± 0.8	4.4± 0.8	4.4± 0.8	4.3± 0.8	4.4± 0.6		
10000 ppm	4.3± 0.7	4.2± 0.7	4.5± 0.7	4.5± 1.0	4.3± 0.5	4.1± 0.8	4.2± 0.6		
20000 ppm	4.3± 0.6	4.2± 0.6	4.7± 1.1	4.4± 1.0	4.4± 0.8	4.4± 0.9	4.1± 0.8		
40000 ppm	4.4± 0.6	4.4± 0.9	4.6± 0.7	4.4± 0.7	4.4± 0.7	4.5± 0.8	4.3± 0.6		
Significant differen	ce; $*: P \le 0.05$	**: P ≤ 0.01		Test of Dunnett					

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

: FEMALE		****		PAGE: 12
up Name	Administration			
	102	104		
Control	4.6± 0.7	4.3± 0.6		
10000 ppm	4.5± 0.7	4.2± 0.4		
20000 ppm	4.7± 0.7	4.5± 0.5		
40000 ppm	4.3± 0.9	4.7± 0.8		
	Here Array	, , , , , , , , , , , , , , , , , , , ,		
Significant differen	nce; $*: P \leq 0.05$	** : P ≤ 0.01	Test of Dunnett	

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