

Study Number: MOG003B

Test Type: MOG

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

C Number:

Study Gender:

PWG Approval Date

I05: Clinical Observations Summary

Test Compound: 2-Ethylhexyl p-Methoxycinnamate

CAS Number: 5466-77-3

MOG003B

Both

See web page for date of PWG Approval

Date Report Requested: 01/14/2020

Time Report Requested: 09:52:51

Lab: RTI

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F0 Female

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
GD	Alopecia Left Fore Paw	0 / 22	0 / 24	0 / 19	1 / 22 GD 19
GD	Alopecia Right Fore Paw	0 / 22	0 / 24	0 / 19	1 / 22 GD 19
GD	Eye Discharge Right; Brown	0 / 22	0 / 24	0 / 19	1 / 22 GD 12
GD	Sore(s) On Body Left Fore Paw	0 / 22	1 / 24 GD 4	0 / 19	0 / 22
GD	Sore(s) On Body Right Fore Paw	1 / 22 GD 4	0 / 24	0 / 19	0 / 22
LD	Alopecia Left Fore Paw	0 / 22	0 / 24	0 / 19	1 / 22 LD 0
LD	Alopecia Left Forelimb	0 / 22	0 / 24	1 / 19 LD 25	1 / 22 LD 18
LD	Alopecia Right Fore Paw	0 / 22	0 / 24	0 / 19	1 / 22 LD 0
LD	Alopecia Right Forelimb	0 / 22	0 / 24	0 / 19	1 / 22 LD 18
LD	Delivering	1 / 22 LD 0	1 / 24 LD 0	0 / 19	0 / 22

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F0 Female

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
LD	Eye Discharge Right; Black	0 / 22	0 / 24	0 / 19	1 / 22 LD 8
LD	Eye Discharge Right; Brown	0 / 22	0 / 24	0 / 19	1 / 22 LD 1
LD	Eye Discharge Right; Red	0 / 22	0 / 24	0 / 19	1 / 22 LD 16
LD	Nasal Discharge Red	0 / 22	1 / 24 LD 24	0 / 19	0 / 22
LD	Piloerection	0 / 22	0 / 24	0 / 19	1 / 22 LD 0
SD	Eye Exophthalmus Right	0 / 4	0 / 2	0 / 7	1 / 4 SD 8
SD	Head Tilt Left	0 / 4	0 / 2	0 / 7	1 / 4 SD 8
SD	Sore(s) On Body Right Fore Paw	1 / 4 SD 5	0 / 2	1 / 7 SD 4	0 / 4

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F1 Male: All F1 Males

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
PND	Dehydrated	0 / 72	0 / 84	2 / 70 PND 72	0 / 74
PND	Emaciated	0 / 72	0 / 84	2 / 70 PND 70	0 / 74
PND	Eye Discharge Bilateral; Brown	1 / 72 PND 47	0 / 84	0 / 70	0 / 74
PND	Eye Discharge Left; Black	0 / 72	0 / 84	0 / 70	1 / 74 PND 70
PND	Eye Discharge Left; Brown	0 / 72	0 / 84	1 / 70 PND 100	0 / 74
PND	Eye Discharge Left; Red	2 / 72 PND 56	0 / 84	1 / 70 PND 98	1 / 74 PND 74
PND	Eye Discharge Right; Black	1 / 72 PND 99	1 / 84 PND 40	0 / 70	0 / 74
PND	Eye Discharge Right; Brown	0 / 72	1 / 84 PND 91	0 / 70	0 / 74
PND	Eye Discharge Right; Clear	1 / 72 PND 98	0 / 84	0 / 70	0 / 74
PND	Eye Discharge Right; Red	4 / 72 PND 48	0 / 84	0 / 70	1 / 74 PND 84

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F1 Male: All F1 Males

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
PND	Nasal Discharge Brown	0 / 72	0 / 84	1 / 70 PND 72	0 / 74
PND	Nasal Discharge Red	1 / 72 PND 51	0 / 84	0 / 70	0 / 74
PND	Scab(s) Face	0 / 72	0 / 84	0 / 70	1 / 74 PND 63
PND	Scab(s) Tail	2 / 72 PND 63	0 / 84	0 / 70	0 / 74
PND	Sore(s) On Body Right Hind Paw	0 / 72	1 / 84 PND 91	0 / 70	0 / 74
PND	Sore(s) On Body Tail	0 / 72	0 / 84	1 / 70 PND 98	0 / 74
PND	Swelling Right Fore Paw	0 / 72	1 / 84 PND 91	0 / 70	0 / 74
PND	Tail Damaged	0 / 72	4 / 84 PND 28	3 / 70 PND 28	2 / 74 PND 28
PND	Tail Short	0 / 72	0 / 84	0 / 70	1 / 74 PND 28
PND	Tail Tip Missing	1 / 72 PND 28	1 / 84 PND 79	0 / 70	0 / 74

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F1 Female: All F1 Females

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
PND	Alopecia Head	1 / 80 PND 78	0 / 94	1 / 79 PND 41	0 / 85
PND	Alopecia Neck	0 / 80	1 / 94 PND 50	0 / 79	0 / 85
PND	Deformed Right Hind Paw	1 / 80 PND 79	0 / 94	0 / 79	0 / 85
PND	Dehydrated	0 / 80	0 / 94	0 / 79	1 / 85 PND 66
PND	Eye Discharge Left; Black	1 / 80 PND 84	0 / 94	0 / 79	0 / 85
PND	Eye Discharge Right; Black	0 / 80	1 / 94 PND 49	2 / 79 PND 29	1 / 85 PND 77
PND	Eye Discharge Right; Clear	0 / 80	0 / 94	0 / 79	1 / 85 PND 39
PND	Eye Discharge Right; Red	0 / 80	1 / 94 PND 40	0 / 79	4 / 85 PND 29
PND	Eye Missing Right	0 / 80	0 / 94	0 / 79	1 / 85 PND 28
PND	Hyperactive	0 / 80	0 / 94	1 / 79 PND 91	0 / 85

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F1 Female: All F1 Females

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
PND	Nasal Discharge Red	0 / 80	0 / 94	0 / 79	1 / 85 PND 64
PND	Scab(s) Nose/Snout	0 / 80	1 / 94 PND 56	1 / 79 PND 77	0 / 85
PND	Scab(s) Tail	0 / 80	1 / 94 PND 77	0 / 79	0 / 85
PND	Sore(s) On Body Nose/Snout	0 / 80	1 / 94 PND 42	0 / 79	0 / 85
PND	Sore(s) On Body Tail	0 / 80	1 / 94 PND 56	0 / 79	0 / 85
PND	Tail Damaged	0 / 80	0 / 94	0 / 79	2 / 85 PND 28
PND	Tail Short	0 / 80	0 / 94	1 / 79 PND 28	0 / 85
PND	Tail Tip Missing	0 / 80	0 / 94	0 / 79	1 / 85 PND 30
PND	Vaginal Thread	2 / 80 PND 35	2 / 94 PND 34	5 / 79 PND 33	3 / 85 PND 35

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F1 Female: Subchronic Female

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
PND	Alopecia Head	0 / 10	0 / 10	0 / 10	1 / 10 PND 113
PND	Eye Discharge Left; Red	0 / 10	0 / 10	0 / 10	1 / 10 PND 93
PND	Eye Discharge Right; Red	0 / 10	1 / 10 PND 108	0 / 10	0 / 10
PND	Mass Neck	0 / 10	1 / 10 PND 112	0 / 10	0 / 10

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F1 Male: Prenatal Male

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
PND	Eye Discharge Left; Brown	0 / 21	0 / 23	1 / 20 PND 106	0 / 22
PND	Eye Discharge Left; Red	1 / 21 PND 106	0 / 23	0 / 20	0 / 22

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F1 Female: Prenatal Female

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
GD	Eye Discharge Left; Red	0 / 19	0 / 18	1 / 12 GD 17	0 / 16
GD	Eye Discharge Right; Brown	0 / 19	0 / 18	0 / 12	1 / 16 GD 8
GD	Eye Discharge Right; Clear	0 / 19	0 / 18	1 / 12 GD 4	1 / 16 GD 16
GD	Eye Discharge Right; Red	0 / 19	0 / 18	1 / 12 GD 12	1 / 16 GD 3
PND	Eye Discharge Right; Red	0 / 21	0 / 23	0 / 19	1 / 22 PND 92

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F1 Male: Fertility Males

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
PND	Dehydrated	1 / 36 PND 144	1 / 46 PND 109	0 / 35	0 / 37
PND	Eye Discharge Left; Brown	1 / 36 PND 112	0 / 46	0 / 35	0 / 37
PND	Eye Discharge Right; Black	1 / 36 PND 106	0 / 46	0 / 35	0 / 37
PND	Eye Discharge Right; Brown	1 / 36 PND 112	0 / 46	0 / 35	0 / 37
PND	Eye Discharge Right; Clear	1 / 36 PND 117	0 / 46	0 / 35	0 / 37
PND	Eye Discharge Right; Red	1 / 36 PND 113	0 / 46	0 / 35	0 / 37
PND	Mass Face	0 / 36	0 / 46	1 / 35 PND 148	0 / 37
PND	Nasal Discharge Brown	1 / 36 PND 122	0 / 46	0 / 35	0 / 37
PND	Respiration Audible	1 / 36 PND 111	0 / 46	0 / 35	0 / 37
PND	Scab(s) Nose/Snout	1 / 36 PND 123	0 / 46	0 / 35	0 / 37

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F1 Male: Fertility Males

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
PND	Sore(s) On Body Face	0 / 36	0 / 46	0 / 35	1 / 37 PND 154
PND	Sore(s) On Body Right Hind Paw	0 / 36	1 / 46 PND 106	0 / 35	0 / 37
PND	Sore(s) On Body Tail	0 / 36	0 / 46	1 / 35 PND 106	0 / 37
PND	Swelling Right Hind Paw	0 / 36	1 / 46 PND 122	0 / 35	0 / 37

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F1 Female: Fertility Females

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
GD	Alopecia Neck	1 / 24 GD 0	0 / 33	0 / 27	0 / 27
GD	Deformed Right Hind Paw	0 / 24	0 / 33	0 / 27	1 / 27 GD 13
GD	Pale	0 / 24	0 / 33	1 / 27 GD 24	0 / 27
GD	Piloerection	0 / 24	0 / 33	1 / 27 GD 24	0 / 27
GD	Scab(s) Nose/Snout	1 / 24 GD 18	0 / 33	1 / 27 GD 0	0 / 27
GD	Scab(s) Tail Tip	0 / 24	0 / 33	0 / 27	1 / 27 GD 0
GD	Sore(s) On Body Face	1 / 24 GD 15	0 / 33	1 / 27 GD 16	1 / 27 GD 16
GD	Sore(s) On Body Head	0 / 24	1 / 33 GD 0	0 / 27	0 / 27
GD	Vaginal Discharge Clear	0 / 24	0 / 33	1 / 27 GD 21	0 / 27
LD	Alopecia Neck	0 / 26	0 / 34	0 / 24	1 / 26 LD 0

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F1 Female: Fertility Females

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
LD	Alopecia Right Shoulder	0 / 26	0 / 34	0 / 24	1 / 26 LD 24
LD	Delivering	2 / 26 LD 0	2 / 34 LD 0	1 / 24 LD 0	4 / 26 LD 0
LD	Mass Left Axillary	0 / 26	1 / 34 LD 16	0 / 24	0 / 26
LD	Sore(s) On Body Face	1 / 26 LD 0	0 / 34	1 / 24 LD 0	0 / 26
LD	Vaginal Discharge Red	1 / 26 LD 0	2 / 34 LD 0	0 / 24	1 / 26 LD 0
PND	Alopecia Head	1 / 36 PND 92	0 / 46	0 / 35	0 / 38
PND	Alopecia Neck	1 / 36 PND 112	0 / 46	0 / 35	0 / 38
PND	Alopecia Nose/Snout	1 / 36 PND 103	0 / 46	0 / 35	0 / 38
PND	Eye Discharge Right; Red	0 / 36	1 / 46 PND 92	0 / 35	0 / 38
PND	Eye Discharge Right; Yellow	0 / 36	0 / 46	1 / 35 PND 98	0 / 38

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F1 Female: Fertility Females

Phase	Observation	Treatment Groups (ppm)			
		0	1000	3000	6000
PND	Scab(s) Nose/Snout	1 / 36 PND 97	0 / 46	1 / 35 PND 92	0 / 38
PND	Scab(s) Tail Tip	0 / 36	0 / 46	0 / 35	1 / 38 PND 106
PND	Sore(s) On Body Head	0 / 36	1 / 46 PND 107	0 / 35	0 / 38
PND	Sore(s) On Body Nose/Snout	0 / 36	1 / 46 PND 98	0 / 35	0 / 38
PND	Sore(s) On Body Tail	0 / 36	0 / 46	0 / 35	1 / 38 PND 98
PND	Vaginal Thread	0 / 36	0 / 46	0 / 35	1 / 38 PND 92

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LEGEND

Animals exhibiting clinical observations "within normal limits" were recorded as scheduled but are omitted from the table for clarity.

Upper row displays cumulative number of animals with observation / total animals started on study for SD days, total number of pregnant animals for GD days, or total number of littered females for LD days.

Lower row displays day of observation onset

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

Females listed as SD were not pregnant

All F1 Females and males are the F1 animals from weaning until initiation of cohort-specific endpoints (PND 28-91). The Subchronic cohort is from PND 91 to 105 and the Male Fertility cohort is from PND 91 to 161.

**** END OF REPORT ****