

Table 7 - 7

Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Aggression

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Parathion 0.3	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Methami dophos 1.0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Open field: Stereotypies

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Parathion 0.3	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Methami dophos 1.0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Open field: Bizarre behavior

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Parathion 0.3	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Methami dophos 1.0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Open field: Unkempt fur

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	0	0	0	0
Parathion 0.3	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	0	0	0	0
Methami dophos 1.0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Open field: Piloerection

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	0	0	0	0
Parathion 0.3	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	0	0	0	0
Methami dophos 1.0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Open field: Skin color

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	-2	0	0	0	0
	-1	0	0	0	0
	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
Parathion 0.3	-2	0	0	0	0
	-1	0	0	0	0
	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
Methami dophos 1.0	-2	0	0	0	0
	-1	0	0	0	0
	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

Table 7 - 13

Detailed clinical observations - Summary data in F1 male rats on postnatal day

Open field: Exploration

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	-2	0	0	0	0
	-1	0	0	0	0
	0	1	1	5	4
	1	6	7	3	4
	2	1	0	0	0
Parathion 0.3	-2	0	0	0	0
	-1	0	0	0	0
	0	1	1	3	4
	1	3	4	2	1
	2	1	0	0	0
Methami dophos 1.0	-2	0	0	0	0
	-1	0	0	0	0
	0	0	1	2	4
	1	7	6	6	4
	2	1	1	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Open field: Abnormal gait

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	0	0	0	0
Parathion 0.3	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	0	0	0	0
Methami dophos 1.0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

Table 7 - 15

Detailed clinical observations - Summary data in F1 male rats on postnatal day

Open field: Count of defecation

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	7	8	8
	1	0	0	0	0
	2	0	1	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0
	6	0	0	0	0
	7	0	0	0	0
Parathion 0.3	0	5	4	5	5
	1	0	1	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0
	6	0	0	0	0
	7	0	0	0	0
Methami dophos 1.0	0	8	7	8	8
	1	0	1	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0
	6	0	0	0	0
	7	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Open field: Defecation

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	0	1	0	0
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	8	7	8	8
Parathion 0.3	0	0	1	0	0
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	5	4	5	5
Methami dophos 1.0	0	0	1	0	0
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	8	7	8	8

Table 7 - 17

Detailed clinical observations - Summary data in F1 male rats on postnatal day

Open field: Urination

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	1	6	6	8
	1	0	0	0	0
	2	0	0	0	0
	3	1	0	0	0
	NA	6	2	2	0
Parathion 0.3	0	2	4	4	5
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	3	1	1	0
Methami dophos 1.0	0	0	5	7	7
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	NA	8	3	1	1

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Exophthalmos

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	-	8	8	8
	1	-	0	0	0
	2	-	0	0	0
Parathion 0.3	0	-	5	5	5
	1	-	0	0	0
	2	-	0	0	0
Methami dophos 1.0	0	-	8	8	8
	1	-	0	0	0
	2	-	0	0	0

-: No examined because eye opening was not observed on PND13.

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Palpebral closure

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	-	8	8	8
	1	-	0	0	0
	2	-	0	0	0
	3	-	0	0	0
Parathion 0.3	0	-	5	5	5
	1	-	0	0	0
	2	-	0	0	0
	3	-	0	0	0
Methami dophos 1.0	0	-	8	8	8
	1	-	0	0	0
	2	-	0	0	0
	3	-	0	0	0

-: No examined because eye opening was not observed on PND13.

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

Table 7 - 20

Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Lacrimation

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	-	8	8	8
	1	-	0	0	0
	2	-	0	0	0
	3	-	0	0	0
Parathion 0.3	0	-	5	5	5
	1	-	0	0	0
	2	-	0	0	0
	3	-	0	0	0
Methami dophos 1.0	0	-	8	8	8
	1	-	0	0	0
	2	-	0	0	0
	3	-	0	0	0

-: No examined because eye opening was not observed on PND13.

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

Table 7 - 21

Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Salivation

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Parathion 0.3	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Methami dophos 1.0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Mucous membrane

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	-2	0	0	0	0
	-1	0	0	0	0
	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
Parathion 0.3	-2	0	0	0	0
	-1	0	0	0	0
	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
Methami dophos 1.0	-2	0	0	0	0
	-1	0	0	0	0
	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Secretions/excretions (eye)

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	-	8	8	8
	1	-	0	0	0
	2	-	0	0	0
	3	-	0	0	0
Parathion 0.3	0	-	5	5	5
	1	-	0	0	0
	2	-	0	0	0
	3	-	0	0	0
Methami dophos 1.0	0	-	8	8	8
	1	-	0	0	0
	2	-	0	0	0
	3	-	0	0	0

-: No examined because eye opening was not observed on PND13.

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Secretions/excretions (nose)

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Parathion 0.3	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Methami dophos 1.0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Secretions/excretions (mouth)

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80	0	8	8	8	8
0	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Parathion	0	5	5	5	5
0.3	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Methami	0	8	8	8	8
dophos	1	0	0	0	0
1.0	2	0	0	0	0
	3	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Muscle tone

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	-2	0	0	0	0
	-1	0	0	0	0
	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
Parathion 0.3	-2	0	0	0	0
	-1	2	0	0	0
	0	3	5	5	5
	1	0	0	0	0
	2	0	0	0	0
		*			
Methami dophos 1.0	-2	0	0	0	0
	-1	0	0	0	0
	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

Significantly different from control: \*,  $p \leq 0.05$ ; \*\*,  $p \leq 0.01$ .

Table 7 - 27

Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Reactivity to handling

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	-2	0	0	0	0
	-1	0	0	0	0
	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
Parathion 0.3	-2	0	0	0	0
	-1	0	0	0	0
	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
Methami dophos 1.0	-2	0	0	0	0
	-1	0	0	0	0
	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Co-ordination of movement

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
Parathion 0.3	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
Methami dophos 1.0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Pupil size

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	-2	-	0	0	0
	-1	-	0	0	0
	0	-	8	8	8
	1	-	0	0	0
	2	-	0	0	0
	NA	-	0	0	0
Parathion 0.3	-2	-	0	0	0
	-1	-	0	0	0
	0	-	5	5	5
	1	-	0	0	0
	2	-	0	0	0
	NA	-	0	0	0
Methami dophos 1.0	-2	-	0	0	0
	-1	-	2	3	0
	0	-	6	5	8
	1	-	0	0	0
	2	-	0	0	0
	NA	-	0	0	0

-: No examined because eye opening was not observed on PND13.

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Detailed clinical observations - Summary data in F1 male rats on postnatal day

Handling: Pupillary reflex

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	-	8	8	7
	1	-	0	0	1
	2	-	0	0	0
	NA	-	0	0	0
Parathion 0.3	0	-	5	5	5
	1	-	0	0	0
	2	-	0	0	0
	NA	-	0	0	0
Methami dophos 1.0	0	-	8	8	7
	1	-	0	0	1
	2	-	0	0	0
	NA	-	0	0	0

-: No examined because eye opening was not observed on PND13.

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

Table 7 - 31

Detailed clinical observations - Summary data in F1 male rats on postnatal day

Open field: Count of rearing

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80	0	7	0	0	0
0	1-5	1	3	4	5
	6-10	0	3	2	3
	11-15	0	2	1	0
	16-20	0	0	1	0
Parathion	0	5	0	0	0
0.3	1-5	0	2	4	4
	6-10	0	2	1	1
	11-15	0	1	0	0
	16-20	0	0	0	0
Methami	0	7	0	0	0
dophos	1-5	1	1	5	3
1.0	6-10	0	7	3	5
	11-15	0	0	0	0
	16-20	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

Table 8 - 1

Detailed clinical observations - Summary data in F1 female rats on postnatal day

Home cage: Body position/posture

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80	0	8	8	8	8
	1	0	0	0	0
Parathion	0	5	5	5	5
	1	0	0	0	0
Methamidophos	0	8	8	8	8
	1	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

Table 8 - 2

Detailed clinical observations - Summary data in F1 female rats on postnatal day

Home cage: Respiratory pattern

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Parathion	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
Methamidophos	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0

Data were statistically analyzed by Dunnett-type test following Kruskal-Wallis test.

Table 8 - 3

Detailed clinical observations - Summary data in F1 female rats on postnatal day

Home cage: Twitch

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
Parathion 0.3	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
Methami dophos 1.0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0

Data were statistically analyzed by Dunnnett-type test following Kruskal-Wallis test.

Table 8 - 4

Detailed clinical observations - Summary data in F1 female rats on postnatal day

Home cage: Tremors

Dose groups (mg/kg/day)	Score	PND			
		13	25	40	63
1% Tween80 0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0
Parathion 0.3	0	5	5	5	5
	1	0	0	0	0
	2	0	0	0	0
Methami dophos 1.0	0	8	8	8	8
	1	0	0	0	0
	2	0	0	0	0

Data were statistically analyzed by Dunnnett-type test following Kruskal-Wallis test.