

Study Number: C98004-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Gender:

PWG Approval Date

PA06: Organ Weights Summary

Test Compound: Hexachlorobenzene (HCB)

CAS Number: 607-91-0

C98004-01

Female

See web page for date of PWG Approval

Date Report Requested: 07/06/2020

Time Report Requested: 08:49:50

Lab: NTP

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Lab: NTP

Females: Core

	Treatment Groups (mg/kg)														
	0			0.03			0.1			0.3			1		
Terminal Body Wt. (g)	264.3	± 4.6	(10) **	259.7	± 5.9	(9)	253.8	± 3.1	(10)	257.3	± 5.2	(10)	264.8	± 2.6	(10)
R. Kidney															
Absolute (g)	0.73	± 0.02	(10) **	0.74	± 0.02	(9)	0.72	± 0.01	(10)	0.74	± 0.03	(10)	0.74	± 0.01	(10)
Relative (mg/g)	2.75	± 0.06	(10)	2.84	± 0.06	(9)	2.82	± 0.02	(10)	2.88	± 0.07	(10)	2.80	± 0.04	(10)
Liver															
Absolute (g)	8.32	± 0.21	(10) **	7.64	± 0.25	(9)	7.75	± 0.20	(10)	7.91	± 0.30	(10)	8.22	± 0.20	(10)
Relative (mg/g)	31.47	± 0.54	(10) **	29.40	± 0.54	(9)	30.51	± 0.64	(10)	30.68	± 0.63	(10)	31.01	± 0.59	(10)
Lung															
Absolute (g)	1.58	± 0.08	(10) **	1.54	± 0.05	(9)	1.54	± 0.03	(10)	1.56	± 0.06	(10)	1.56	± 0.07	(10)
Relative (mg/g)	5.95	± 0.22	(10) **	5.93	± 0.13	(9)	6.09	± 0.12	(10)	6.05	± 0.18	(10)	5.90	± 0.26	(10)
L. Ovary															
Absolute (g)	0.0668 ± 0.0050 (10) **			0.0660 ± 0.0065 (9)			0.0535 ± 0.0029 (10)			0.0583 ± 0.0024 (10)			0.0654 ± 0.0055 (10)		
Relative (mg/g)	0.25	± 0.02	(10)	0.25	± 0.02	(9)	0.21	± 0.01	(10)	0.23	± 0.01	(10)	0.25	± 0.02	(10)
Spleen															
Absolute (g)	0.576	± 0.020	(10) **	0.587	± 0.014	(9)	0.565	± 0.020	(10)	0.590	± 0.031	(10)	0.566	± 0.012	(10)
Relative (mg/g)	2.17	± 0.05	(10) **	2.27	± 0.05	(9)	2.23	± 0.07	(10)	2.28	± 0.09	(10)	2.14	± 0.04	(10)
Thymus															
Absolute (g)	0.320	± 0.013	(10)	0.329	± 0.014	(9)	0.331	± 0.015	(10)	0.322	± 0.011	(10)	0.371	± 0.023	(10)
Relative (mg/g)	1.21	± 0.05	(10)	1.27	± 0.05	(9)	1.31	± 0.06	(10)	1.26	± 0.05	(10)	1.40	± 0.08	(10)
Thyroid gland															
Absolute (g)	0.0228 ± 0.0015 (10)			0.0244 ± 0.0020 (9)			0.0230 ± 0.0017 (10)			0.0231 ± 0.0017 (10)			0.0252 ± 0.0033 (10)		
Relative (mg/g)	0.09	± 0.00	(10)	0.09	± 0.01	(9)	0.09	± 0.01	(10)	0.09	± 0.01	(10)	0.09	± 0.01	(10)

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	Treatment Groups (mg/kg)								
	3			10			25		
Terminal Body Wt. (g)	273.2	± 4.7	(10)	278.3	± 7.5	(10)	293.6	± 6.0	(10) **
R. Kidney									
Absolute (g)	0.75	± 0.02	(10)	0.78	± 0.02	(10)	0.86	± 0.02	(10) **
Relative (mg/g)	2.75	± 0.06	(10)	2.80	± 0.05	(10)	2.92	± 0.06	(10)
Liver									
Absolute (g)	8.89	± 0.21	(10)	10.28	± 0.47	(10) **	12.53	± 0.41	(10) **
Relative (mg/g)	32.54	± 0.58	(10)	36.83	± 0.88	(10) **	42.82	± 1.68	(10) **
Lung									
Absolute (g)	1.70	± 0.07	(10)	1.70	± 0.08	(10)	2.08	± 0.08	(10) **
Relative (mg/g)	6.20	± 0.20	(10)	6.09	± 0.22	(10)	7.10	± 0.22	(10) **
L. Ovary									
Absolute (g)	0.0653 ± 0.0038	(10)		0.0731 ± 0.0045	(10)		0.0703 ± 0.0026	(10)	
Relative (mg/g)	0.24	± 0.01	(10)	0.26	± 0.01	(10)	0.24	± 0.01	(10)
Spleen									
Absolute (g)	0.666	± 0.019	(10) **	0.689	± 0.026	(10) **	0.952	± 0.029	(10) **
Relative (mg/g)	2.44	± 0.06	(10) **	2.47	± 0.06	(10) **	3.24	± 0.09	(10) **
Thymus									
Absolute (g)	0.328	± 0.023	(10)	0.341	± 0.020	(10)	0.323	± 0.011	(10)
Relative (mg/g)	1.20	± 0.09	(10)	1.23	± 0.08	(10)	1.10	± 0.04	(10)
Thyroid gland									
Absolute (g)	0.0191 ± 0.0010	(10)		0.0231 ± 0.0013	(10)		0.0249 ± 0.0015	(10)	
Relative (mg/g)	0.07	± 0.00	(10)	0.08	± 0.00	(10)	0.09	± 0.01	(10)

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CAS Number: 607-91-0

Date Report Requested: 07/06/2020

Time Report Requested: 08:49:50

Lab: NTP

Females: Special Day 146

	Treatment Groups (mg/kg)								
	0			0.03			25		
Terminal Body Wt. (g)	267.5	± 10.2	(5)	292.9	± 14.2	(5)	301.5	± 10.7	(5)
Liver									
Absolute (g)	7.78	± 0.24	(5) **	9.16	± 0.83	(5)	10.87	± 0.63	(5) **
Relative (mg/g)	29.19	± 1.09	(5) **	31.10	± 1.37	(5)	35.98	± 0.98	(5) **
Lung									
Absolute (g)	1.66	± 0.04	(5)	1.82	± 0.08	(5)	1.74	± 0.10	(5)
Relative (mg/g)	6.22	± 0.22	(5)	6.24	± 0.32	(5)	5.76	± 0.26	(5)
Thymus									
Absolute (g)	0.207	± 0.020	(5)	0.189	± 0.015	(5)	0.193	± 0.006	(5)
Relative (mg/g)	0.77	± 0.06	(5)	0.65	± 0.07	(5)	0.64	± 0.02	(5)
Thyroid gland									
Absolute (g)	0.0200	± 0.0016	(5)	0.0214	± 0.0015	(5)	0.0210	± 0.0018	(5)
Relative (mg/g)	0.08	± 0.01	(5)	0.07	± 0.01	(5)	0.07	± 0.01	(5)

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Lab: NTP

Females: Special Day 201

	Treatment Groups (mg/kg)								
	0			0.03			25		
Terminal Body Wt. (g)	300.5	± 7.2	(5)	289.5	± 10.8	(5)	305.0	± 12.2	(5)
Liver									
Absolute (g)	8.72	± 0.44	(5)	8.91	± 0.19	(5)	10.34	± 0.55	(5) *
Relative (mg/g)	29.05	± 1.42	(5) *	30.95	± 1.34	(5)	33.86	± 0.77	(5) *
Lung									
Absolute (g)	1.81	± 0.07	(5)	1.58	± 0.06	(5)	1.77	± 0.09	(5)
Relative (mg/g)	6.03	± 0.26	(5)	5.47	± 0.25	(5)	5.82	± 0.23	(5)
Thymus									
Absolute (g)	0.215	± 0.020	(5)	0.186	± 0.020	(5)	0.204	± 0.015	(5)
Relative (mg/g)	0.72	± 0.06	(5)	0.64	± 0.05	(5)	0.67	± 0.05	(5)
Thyroid gland									
Absolute (g)	0.0258	± 0.0028	(5)	0.0268	± 0.0028	(5)	0.0230	± 0.0033	(5)
Relative (mg/g)	0.09	± 0.01	(5)	0.09	± 0.01	(5)	0.07	± 0.01	(5)

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight

Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****