

Study Number: C20302B-04
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description
Test Compound: alpha-Pinene
CAS Number: 80-56-8

Date Report Requested: 12/07/2021
Time Report Requested: 08:24:41
Lab: Battelle

Study Number: C20302B-04
Study Sex: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.3.5

Study Number: C20302B-04**Test Type:** TOX**Route:** Whole-Body Inhalation**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description****Test Compound:** alpha-Pinene**CAS Number:** 80-56-8**Date Report Requested:** 12/07/2021**Time Report Requested:** 08:24:41**Lab:** Battelle**Males: All Animals**

Treatment Groups (ppm)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
0	SD90	81	02/14/18	01:39	90	13	384.2		Biological Sampling	Normal
	SD90	82	02/14/18	01:40	90	13	422.7		Biological Sampling	Normal
	SD90	83	02/14/18	01:41	90	13	380.4		Biological Sampling	Normal
	SD90	84	02/14/18	01:42	90	13	421.3		Biological Sampling	Normal
	SD90	85	02/14/18	01:43	90	13	397.0		Biological Sampling	Normal
	SD91	1	02/15/18	06:59	91	13	411.3		Scheduled Removal (Terminal)	Normal
	SD91	2	02/15/18	06:44	91	13	376.9		Scheduled Removal (Terminal)	Normal
	SD91	3	02/15/18	07:04	91	13	394.4		Scheduled Removal (Terminal)	Normal
	SD91	4	02/15/18	07:02	91	13	427.3		Scheduled Removal (Terminal)	Normal
	SD91	5	02/15/18	07:00	91	13	428.7		Scheduled Removal (Terminal)	Normal
50	SD91	6	02/16/18	06:26	91	13	459.1		Scheduled Removal (Terminal)	Normal
	SD91	7	02/16/18	06:28	91	13	406.1		Scheduled Removal (Terminal)	Normal
	SD91	8	02/16/18	06:29	91	13	412.6		Scheduled Removal (Terminal)	Normal
	SD91	9	02/16/18	06:30	91	13	407.3		Scheduled Removal (Terminal)	Normal
	SD91	10	02/16/18	06:31	91	13	424.9		Scheduled Removal (Terminal)	Normal
	SD90	86	02/14/18	01:44	90	13	383.9		Biological Sampling	Normal
	SD90	87	02/14/18	01:45	90	13	347.0		Biological Sampling	Normal
	SD90	88	02/14/18	01:46	90	13	380.9		Biological Sampling	Normal
	SD90	89	02/14/18	01:47	90	13	340.0		Biological Sampling	Normal
	SD90	90	02/14/18	01:48	90	13	365.8		Biological Sampling	Normal
	SD91	11	02/15/18	06:51	91	13	394.6		Scheduled Removal (Terminal)	Normal

Study Number: C20302B-04**Test Type:** TOX**Route:** Whole-Body Inhalation**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description****Test Compound:** alpha-Pinene**CAS Number:** 80-56-8**Date Report Requested:** 12/07/2021**Time Report Requested:** 08:24:41**Lab:** Battelle**Males: All Animals**

Treatment Groups (ppm)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
100	SD91	12	02/15/18	07:03	91	13	356.9		Scheduled Removal (Terminal)	Normal
	SD91	13	02/15/18	07:07	91	13	426.4		Scheduled Removal (Terminal)	Normal
	SD91	14	02/15/18	06:49	91	13	375.8		Scheduled Removal (Terminal)	Normal
	SD91	15	02/15/18	06:48	91	13	398.4		Scheduled Removal (Terminal)	Normal
	SD91	16	02/16/18	06:34	91	13	382.5		Scheduled Removal (Terminal)	Normal
	SD91	17	02/16/18	06:36	91	13	438.8		Scheduled Removal (Terminal)	Normal
	SD91	18	02/16/18	06:36	91	13	396.9		Scheduled Removal (Terminal)	Normal
	SD91	19	02/16/18	06:37	91	13	365.5		Scheduled Removal (Terminal)	Normal
	SD91	20	02/16/18	06:39	91	13	396.4		Scheduled Removal (Terminal)	Normal
	SD84	92	02/08/18	07:13	84	12	340.1		Euthanized Moribund	Breathing, labored
	SD90	91	02/14/18	01:49	90	13	322.0		Biological Sampling	Normal
	SD90	93	02/14/18	01:50	90	13	360.8		Biological Sampling	Normal
	SD90	94	02/14/18	01:51	90	13	412.7		Biological Sampling	Normal
	SD90	95	02/14/18	01:52	90	13	372.3		Biological Sampling	Normal
	SD91	21	02/15/18	06:54	91	13	359.3		Scheduled Removal (Terminal)	Normal
	SD91	22	02/15/18	07:01	91	13	406.5		Scheduled Removal (Terminal)	Normal
	SD91	23	02/15/18	07:05	91	13	410.0		Scheduled Removal (Terminal)	Normal
	SD91	24	02/15/18	06:53	91	13	410.3		Scheduled Removal (Terminal)	Normal
	SD91	25	02/15/18	06:57	91	13	431.3		Scheduled Removal (Terminal)	Normal

Study Number: C20302B-04**Test Type:** TOX**Route:** Whole-Body Inhalation**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description****Test Compound:** alpha-Pinene**CAS Number:** 80-56-8**Date Report Requested:** 12/07/2021**Time Report Requested:** 08:24:41**Lab:** Battelle**Males: All Animals**

Treatment Groups (ppm)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
200	SD91	26	02/16/18	06:40	91	13	381.8		Scheduled Removal (Terminal)	Normal
	SD91	27	02/16/18	06:41	91	13	380.7		Scheduled Removal (Terminal)	Normal
	SD91	28	02/16/18	06:42	91	13	369.4		Scheduled Removal (Terminal)	Normal
	SD91	29	02/16/18	06:43	91	13	392.0		Scheduled Removal (Terminal)	Normal
	SD91	30	02/16/18	06:44	91	13	433.9		Scheduled Removal (Terminal)	Normal
	SD90	96	02/14/18	01:53	90	13	375.7		Biological Sampling	Normal
	SD90	97	02/14/18	01:53	90	13	362.4		Biological Sampling	Normal
	SD90	98	02/14/18	01:54	90	13	439.2		Biological Sampling	Normal
	SD90	99	02/14/18	01:55	90	13	371.9		Biological Sampling	Normal
	SD90	100	02/14/18	01:56	90	13	345.8		Biological Sampling	Normal
	SD91	31	02/15/18	06:47	91	13	392.6		Scheduled Removal (Terminal)	Normal
	SD91	32	02/15/18	07:10	91	13	356.0		Scheduled Removal (Terminal)	Discharge Eye Red, Right
	SD91	33	02/15/18	06:56	91	13	410.0		Scheduled Removal (Terminal)	Normal
	SD91	34	02/15/18	06:58	91	13	395.2		Scheduled Removal (Terminal)	Normal
	SD91	35	02/15/18	06:45	91	13	426.9		Scheduled Removal (Terminal)	Normal
	SD91	36	02/16/18	06:44	91	13	398.7		Scheduled Removal (Terminal)	Normal
	SD91	37	02/16/18	06:45	91	13	365.1		Scheduled Removal (Terminal)	Normal
	SD91	38	02/16/18	06:45	91	13	364.0		Scheduled Removal (Terminal)	Normal
	SD91	39	02/16/18	06:46	91	13	404.8		Scheduled Removal (Terminal)	Normal

Study Number: C20302B-04
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description
Test Compound: alpha-Pinene
CAS Number: 80-56-8

Date Report Requested: 12/07/2021
Time Report Requested: 08:24:41
Lab: Battelle

Males: All Animals										
Treatment Groups (ppm)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD91	40	02/16/18	06:46	91	13	414.9		Scheduled Removal (Terminal)	Normal

Study Number: C20302B-04**Test Type:** TOX**Route:** Whole-Body Inhalation**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description****Test Compound:** alpha-Pinene**CAS Number:** 80-56-8**Date Report Requested:** 12/07/2021**Time Report Requested:** 08:24:41**Lab:** Battelle**Females: All Animals**

Treatment Groups (ppm)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
0	SD90	101	02/13/18	02:00	90	13	223.5		Biological Sampling	Normal
	SD90	102	02/13/18	02:00	90	13	240.7		Biological Sampling	Normal
	SD90	103	02/13/18	02:00	90	13	241.2		Biological Sampling	Normal
	SD90	104	02/13/18	02:00	90	13	211.1		Biological Sampling	Normal
	SD90	105	02/13/18	02:00	90	13	220.9		Biological Sampling	Normal
	SD91	41	02/14/18	06:57	91	13	248.4		Scheduled Removal (Terminal)	Normal
	SD91	42	02/14/18	06:53	91	13	262.4		Scheduled Removal (Terminal)	Normal
	SD91	43	02/14/18	06:48	91	13	235.7		Scheduled Removal (Terminal)	Normal
	SD91	44	02/14/18	07:04	91	13	232.5		Scheduled Removal (Terminal)	Normal
	SD91	45	02/14/18	06:42	91	13	267.3		Scheduled Removal (Terminal)	Normal
	SD91	46	02/14/18	06:46	91	13	228.6		Scheduled Removal (Terminal)	Normal
	SD91	47	02/14/18	06:41	91	13	245.6		Scheduled Removal (Terminal)	Normal
	SD91	48	02/14/18	06:47	91	13	238.0		Scheduled Removal (Terminal)	Normal
	SD91	49	02/14/18	06:56	91	13	251.2		Scheduled Removal (Terminal)	Normal
	SD91	50	02/14/18	06:35	91	13	250.6		Scheduled Removal (Terminal)	Normal
50	SD90	106	02/13/18	02:00	90	13	223.4		Biological Sampling	Normal
	SD90	107	02/13/18	02:00	90	13	245.9		Biological Sampling	Normal
	SD90	108	02/13/18	02:00	90	13	252.9		Biological Sampling	Normal
	SD90	109	02/13/18	02:00	90	13	234.5		Biological Sampling	Normal
	SD90	110	02/13/18	02:01	90	13	214.0		Biological Sampling	Normal
	SD91	51	02/14/18	07:01	91	13	230.7		Scheduled Removal (Terminal)	Normal

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Date Report Requested: 12/07/2021

Time Report Requested: 08:24:41

Lab: Battelle

Females: All Animals

Treatment Groups (ppm)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
100	SD91	52	02/14/18	06:34	91	13	208.7		Scheduled Removal (Terminal)	Normal
	SD91	53	02/14/18	06:51	91	13	256.3		Scheduled Removal (Terminal)	Normal
	SD91	54	02/14/18	07:02	91	13	230.2		Scheduled Removal (Terminal)	Normal
	SD91	55	02/14/18	07:07	91	13	249.5		Scheduled Removal (Terminal)	Normal
	SD91	56	02/14/18	06:50	91	13	249.2		Scheduled Removal (Terminal)	Normal
	SD91	57	02/14/18	06:43	91	13	241.5		Scheduled Removal (Terminal)	Normal
	SD91	58	02/14/18	06:40	91	13	230.7		Scheduled Removal (Terminal)	Normal
	SD91	59	02/14/18	07:10	91	13	231.5		Scheduled Removal (Terminal)	Normal
	SD91	60	02/14/18	07:00	91	13	235.7		Scheduled Removal (Terminal)	Normal
	SD90	111	02/13/18	01:59	90	13	238.4		Biological Sampling	Normal
	SD90	112	02/13/18	01:59	90	13	220.4		Biological Sampling	Normal
	SD90	113	02/13/18	02:00	90	13	250.7		Biological Sampling	Normal
	SD90	114	02/13/18	02:01	90	13	267.5		Biological Sampling	Normal
	SD90	115	02/13/18	02:01	90	13	258.1		Biological Sampling	Normal
	SD91	61	02/14/18	07:05	91	13	246.9		Scheduled Removal (Terminal)	Normal
	SD91	62	02/14/18	06:55	91	13	255.9		Scheduled Removal (Terminal)	Normal
	SD91	63	02/14/18	07:06	91	13	247.4		Scheduled Removal (Terminal)	Normal
	SD91	64	02/14/18	06:41	91	13	249.2		Scheduled Removal (Terminal)	Normal
	SD91	65	02/14/18	07:00	91	13	242.2		Scheduled Removal (Terminal)	Normal

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Date Report Requested: 12/07/2021

Time Report Requested: 08:24:41

Lab: Battelle

Females: All Animals

Treatment Groups (ppm)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
200	SD91	66	02/14/18	06:44	91	13	266.0		Scheduled Removal (Terminal)	Normal
	SD91	67	02/14/18	06:50	91	13	218.0		Scheduled Removal (Terminal)	Normal
	SD91	68	02/14/18	06:58	91	13	255.2		Scheduled Removal (Terminal)	Normal
	SD91	69	02/14/18	06:38	91	13	239.5		Scheduled Removal (Terminal)	Normal
	SD91	70	02/14/18	06:39	91	13	244.3		Scheduled Removal (Terminal)	Normal
	SD90	116	02/13/18	02:01	90	13	225.0		Biological Sampling	Normal
	SD90	117	02/13/18	02:01	90	13	230.2		Biological Sampling	Normal
	SD90	118	02/13/18	02:01	90	13	232.6		Biological Sampling	Normal
	SD90	119	02/13/18	02:02	90	13	241.2		Biological Sampling	Normal
	SD90	120	02/13/18	02:02	90	13	226.9		Biological Sampling	Normal
	SD91	71R	02/14/18	06:52	91	13	244.4		Scheduled Removal (Terminal)	Normal
	SD91	72	02/14/18	07:10	91	13	229.4		Scheduled Removal (Terminal)	Normal
	SD91	73	02/14/18	06:45	91	13	256.5		Scheduled Removal (Terminal)	Normal
	SD91	74	02/14/18	07:07	91	13	244.6		Scheduled Removal (Terminal)	Normal
	SD91	75	02/14/18	06:59	91	13	245.4		Scheduled Removal (Terminal)	Normal
	SD91	76	02/14/18	07:03	91	13	218.0		Scheduled Removal (Terminal)	Normal
	SD91	77R	02/14/18	06:49	91	13	231.9		Scheduled Removal (Terminal)	Normal
	SD91	78R	02/14/18	06:55	91	13	248.7		Scheduled Removal (Terminal)	Normal
	SD91	79R	02/14/18	06:37	91	13	238.0		Scheduled Removal (Terminal)	Normal

Females: All Animals										
Treatment Groups (ppm)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD91	80	02/14/18	07:09	91	13	213.0		Scheduled Removal (Terminal)	Normal

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Date Report Requested: 12/07/2021

Time Report Requested: 08:24:41

Lab: Battelle

LEGEND

Removal clinical observations reported for day of death or day preceding death if none recorded on day of death

SD – Study Day

"Removal Wt Status" are items noted at time of removal (e.g. exclude weight).

'All Animals' includes both the Core and Biosample animals.

**** END OF REPORT ****