

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

Study Number: C20302B-04
Study Sex: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.5.0
Study Version Details: QA Pathologist: Add locator of Cervix to Uterus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 1	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802368

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 2	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802369

GROSS PATHOLOGY TISSUE STATUS			
Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS		
Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 3	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802370

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 4	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802371

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 5	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802372

GROSS PATHOLOGY TISSUE STATUS			
Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS		
Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 6	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802373

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 7	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802374

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 8	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802375

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 9	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802376

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 10	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802377

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits			
MAMMARY GLAND			
OBSERVATIONS			
EPIDIDYMIS	DUCT	EXFOLIATED GERM CELL	MULTIFOCAL, MINIMAL
TESTIS	SEMINIFEROUS TUBULE, GERM CELL	DEGENERATION	MULTIFOCAL, MINIMAL

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Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 11	TRT#: 2	DOSE: 50 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802383

GROSS PATHOLOGY TISSUE STATUS			
Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS		
Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 12	TRT#: 2	DOSE: 50 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802384

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 13	TRT#: 2	DOSE: 50 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802385
GROSS PATHOLOGY TISSUE STATUS				
Within Normal Limits				
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3	
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT	
HISTOPATH TISSUE STATUS				
Within Normal Limits				
EPIDIDYMIS	MAMMARY GLAND	TESTIS		

ANIMAL ID: 14	TRT#: 2	DOSE: 50 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802386

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits	
EPIDIDYMIS	MAMMARY GLAND

OBSERVATIONS			
TESTIS	SEMINIFEROUS TUBULE, GERM CELL	CELLULAR ATYPIA	FOCAL, MILD
	SEMINIFEROUS TUBULE, GERM CELL	DEGENERATION	MULTIFOCAL, MILD
Observation Comment: Degeneration characterized by the following changes: disorganized arrangement of germ cells in seminiferous tubules, seminiferous tubules devoid of germinal epithelium with sparing of Sertoli cells (tubular atrophy), lumens that contain sloughed cellular debris, multinucleated giant cells, and dense accumulations of degenerate/necrotic spermatozoa.			

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 15	TRT#: 2	DOSE: 50 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802387
GROSS PATHOLOGY TISSUE STATUS				
Within Normal Limits				
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3	
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT	
HISTOPATH TISSUE STATUS				
Within Normal Limits				
EPIDIDYMIS	MAMMARY GLAND	TESTIS		

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 16	TRT#: 2	DOSE: 50 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802388

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 17	TRT#: 2	DOSE: 50 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802389

GROSS PATHOLOGY TISSUE STATUS			
Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS		
Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 18	TRT#: 2	DOSE: 50 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802390

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 19	TRT#: 2	DOSE: 50 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802391

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 20	TRT#: 2	DOSE: 50 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802392

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 21	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802398

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 22	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802399

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 23	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802400

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 24	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802401

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 25	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802402

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 26	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802403

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 27	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802404

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 28	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802405

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 29	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802406

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 30	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802407

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 31	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802413

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 32	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802414

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

OBSERVATIONS	
NO CORRELATE	TO OBSERVATION / MASS

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 33	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802415

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 34	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802416

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 35	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802417
GROSS PATHOLOGY TISSUE STATUS				
Within Normal Limits				
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3	
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT	
HISTOPATH TISSUE STATUS				
Within Normal Limits				
EPIDIDYMIS	MAMMARY GLAND	TESTIS		

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 36	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802418

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 37	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802419

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 38	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802420

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 39	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802421

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 40	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802422

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT

HISTOPATH TISSUE STATUS

Within Normal Limits		
EPIDIDYMIS	MAMMARY GLAND	TESTIS

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 81	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103367
GROSS PATHOLOGY TISSUE STATUS				
Within Normal Limits				
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT		MAMMARY GLANDS 4 AND 5, RIGHT	

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 82	TRT#: 1	DOSE: 0 ppm	SEX: Male DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103320
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 83	TRT#: 1	DOSE: 0 ppm	SEX: Male DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103338
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 84	TRT#: 1	DOSE: 0 ppm	SEX: Male DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103366
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 85	TRT#: 1	DOSE: 0 ppm	SEX: Male	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103337

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 86	TRT#: 2	DOSE: 50 ppm	SEX: Male DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103343
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 87

TRT#: 2

DOSE: 50 ppm

SEX: Male

DISP: Biological Sampling

REMOVAL DAY: SD90

HISTO: 103341

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

MAMMARY GLANDS 1-3

MAMMARY GLANDS 4 AND 5, LEFT

MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 88	TRT#: 2	DOSE: 50 ppm	SEX: Male DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103318
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 89	TRT#: 2	DOSE: 50 ppm	SEX: Male	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103340

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 90	TRT#: 2	DOSE: 50 ppm	SEX: Male DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103342
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 91	TRT#: 3	DOSE: 100 ppm	SEX: Male DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103339
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 92	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD84
			DISP: Euthanized Moribund	HISTO: 103324
GROSS PATHOLOGY TISSUE STATUS				
Within Normal Limits				
ANIMAL IDENTIFICATION	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	MAMMARY GLANDS 1-3	
MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT	TESTIS, LEFT	TESTIS, RIGHT	
OBSERVATIONS				
NO CORRELATE		TO OBSERVATION / MASS		
PITUITARY GLAND		CYST	YELLOW	
Observation Comment: 8x8x3 mm				
[CYST TGLS = TGL1]				

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 93	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103355

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 94	TRT#: 3	DOSE: 100 ppm	SEX: Male DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103350
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 95	TRT#: 3	DOSE: 100 ppm	SEX: Male	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103299

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 96	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103353

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT
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Study Number: C20302B-04
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 97	TRT#: 4	DOSE: 200 ppm	SEX: Male DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103315
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 98	TRT#: 4	DOSE: 200 ppm	SEX: Male DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103373
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 99	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103365
GROSS PATHOLOGY TISSUE STATUS				
Within Normal Limits				
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT		MAMMARY GLANDS 4 AND 5, RIGHT	

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 100	TRT#: 4	DOSE: 200 ppm	SEX: Male	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103334

GROSS PATHOLOGY TISSUE STATUS		
Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 41	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802433

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = metestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 42	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802434

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous cycle = estrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 43	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802435

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = proestrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 44	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802436

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: Estrous stage = proestrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 45	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802437

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = metestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 46	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802438

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: Estrous stage = proestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 47	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802439

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = metestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 48	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802440

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = diestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 49	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802441

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = proestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 50	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802442

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous cycle = proestrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 51	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802448

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = proestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 52	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802449

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = proestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 53	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802450

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = proestrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 54	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802451

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS
Tissue Comment: estrous stage = metestrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 55	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802452

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS
Tissue Comment: estrous stage = proestrus

ANIMAL ID: 56	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802453

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS
Tissue Comment: estrous stage = proestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 57	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802454
GROSS PATHOLOGY TISSUE STATUS				
Within Normal Limits				
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA		
HISTOPATH TISSUE STATUS				
Within Normal Limits				
UTERUS - CERVIX	VAGINA			
OBSERVATIONS				
MAMMARY GLAND	DUCT, EPITHELIUM	DEGENERATION	FOCAL, MILD	
UTERUS				
Tissue Comment: estrous stage = proestrus				

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 58	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802455

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = metestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 59	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802456

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS
UTERUS
Tissue Comment: estrous stage = estrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 60	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802457

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = diestrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 61	TRT#: 3	DOSE: 100 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802463

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS
UTERUS
Tissue Comment: estrous stage = diestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 62	TRT#: 3	DOSE: 100 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802464

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = metestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 63	TRT#: 3	DOSE: 100 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802465

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = proestrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 64	TRT#: 3	DOSE: 100 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802466

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = metestrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 65	TRT#: 3	DOSE: 100 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802467

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = diestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 66	TRT#: 3	DOSE: 100 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802468

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = diestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 67	TRT#: 3	DOSE: 100 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802469

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = diestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 68	TRT#: 3	DOSE: 100 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802470

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = metestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 69	TRT#: 3	DOSE: 100 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802471

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = metestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 70	TRT#: 3	DOSE: 100 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802472

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = metestrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 72	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802479

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS
Tissue Comment: estrous cycle = metestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 73	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802480

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = estrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 74	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802481

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS
UTERUS
Tissue Comment: estrous stage = estrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 75	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802482

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = estrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 76	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802483

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = diestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 80	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802487

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = metestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 71R	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802478

GROSS PATHOLOGY TISSUE STATUS			
Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS		
Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous cycle = diestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 77R	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802484

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: estrous stage = diestrus

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 78R	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802485

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS

UTERUS

Tissue Comment: Estrous stage = diestrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 79R	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD91
	SELECTION: Core		DISP: Scheduled Removal (Terminal)	HISTO: 1802486

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ANIMAL IDENTIFICATION	CERVIX	MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT
MAMMARY GLANDS 4 AND 5, RIGHT	UTERUS	VAGINA	

HISTOPATH TISSUE STATUS

Within Normal Limits		
MAMMARY GLAND	UTERUS - CERVIX	VAGINA

OBSERVATIONS
UTERUS
Tissue Comment: estrous stage = estrus

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 101	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103417

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 102	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103384

GROSS PATHOLOGY TISSUE STATUS		
Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 103	TRT#: 1	DOSE: 0 ppm	SEX: Female DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103385
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 104	TRT#: 1	DOSE: 0 ppm	SEX: Female	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103436

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 105	TRT#: 1	DOSE: 0 ppm	SEX: Female DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103440
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 106	TRT#: 2	DOSE: 50 ppm	SEX: Female DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103441
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 107	TRT#: 2	DOSE: 50 ppm	SEX: Female DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103444
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 108	TRT#: 2	DOSE: 50 ppm	SEX: Female DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103418
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 109	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103420

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT
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Study Number: C20302B-04
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 110	TRT#: 2	DOSE: 50 ppm	SEX: Female	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103416

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT
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Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

ANIMAL ID: 111

TRT#: 3

DOSE: 100 ppm

SEX: Female

DISP: Biological Sampling

REMOVAL DAY: SD90

HISTO: 103395

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

MAMMARY GLANDS 1-3

MAMMARY GLANDS 4 AND 5, LEFT

MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 112	TRT#: 3	DOSE: 100 ppm	SEX: Female DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103379
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 113	TRT#: 3	DOSE: 100 ppm	SEX: Female DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103427
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 114	TRT#: 3	DOSE: 100 ppm	SEX: Female	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103394

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 115	TRT#: 3	DOSE: 100 ppm	SEX: Female DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103435
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 116	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103413

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 117	TRT#: 4	DOSE: 200 ppm	SEX: Female	REMOVAL DAY: SD90
			DISP: Biological Sampling	HISTO: 103425

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 118	TRT#: 4	DOSE: 200 ppm	SEX: Female DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103429
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 119	TRT#: 4	DOSE: 200 ppm	SEX: Female DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103392
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

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

PA14: Individual Animal Pathology Data
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/17/2023
Time Report Requested: 16:39:32
Lab: Battelle

ANIMAL ID: 120	TRT#: 4	DOSE: 200 ppm	SEX: Female DISP: Biological Sampling	REMOVAL DAY: SD90 HISTO: 103410
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GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits		
MAMMARY GLANDS 1-3	MAMMARY GLANDS 4 AND 5, LEFT	MAMMARY GLANDS 4 AND 5, RIGHT

Study Number: C20302B-04

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Target Version: QA Pathologist

Date Report Requested: 05/17/2023

Time Report Requested: 16:39:32

Lab: Battelle

LEGEND

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

**** END OF REPORT ****