

Experiment Number: **A07760**

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)**

CAS Number: **68631-49-2**

Date Report Requested: **09/15/2018**

Time Report Requested: **16:13:01**

**NTP Study Number:**

A07760

**Study Result:**

Negative

Experiment Number: A07760

Test Type: Genetic Toxicology - Bacterial Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)

CAS Number: 68631-49-2

Date Report Requested: 09/15/2018

Time Report Requested: 16:13:01

---

Strain: TA100		
Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	178 ± 7.3	191 ± 10.3
100.0	203 ± 5.9	182 ± 7.3
333.0	188 ± 3.2 <sup>p</sup>	186 ± 6.6 <sup>p</sup>
1000.0	235 ± 17.3 <sup>p</sup>	212 ± 3.5 <sup>p</sup>
3333.0	178 ± 4.9 <sup>p</sup>	232 ± 27.4 <sup>p</sup>
5000.0	167 ± 14.4 <sup>p</sup>	186 ± 42.8 <sup>p</sup>
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	686 ± 41.2	
Positive Control <sup>3</sup>		644 ± 24.4

Experiment Number: A07760

Test Type: Genetic Toxicology - Bacterial Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)

CAS Number: 68631-49-2

Date Report Requested: 09/15/2018

Time Report Requested: 16:13:01

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	16 ± 2.3	18 ± 1.2
100.0	14 ± 2.1	19 ± 1.8
333.0	11 ± 2.8 <sup>p</sup>	18 ± 1.2 <sup>p</sup>
1000.0	11 ± 0.9 <sup>p</sup>	16 ± 2.8 <sup>p</sup>
3333.0	9 ± 0.9 <sup>p</sup>	13 ± 1.2 <sup>p</sup>
5000.0	11 ± 2.2 <sup>p</sup>	16 ± 2.5 <sup>p</sup>
Trial Summary	Negative	Negative
Positive Control <sup>4</sup>		223 ± 4.4
Positive Control <sup>5</sup>	102 ± 4.4	

Experiment Number: A07760

Test Type: Genetic Toxicology - Bacterial Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)

CAS Number: 68631-49-2

Date Report Requested: 09/15/2018

Time Report Requested: 16:13:01

---

Strain: TA102

---

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	307 ± 16.9	329 ± 11.1
100.0	284 ± 9.7	348 ± 24.1
333.0	331 ± 2.6	341 ± 5.5
1000.0	320 ± 10.7	351 ± 38.1 <sup>P</sup>
3333.0	289 ± 5.8 <sup>P</sup>	394 ± 6.7 <sup>P</sup>
5000.0	269 ± 24.0 <sup>P</sup>	373 ± 27.3 <sup>P</sup>
Trial Summary	Negative	Negative
Positive Control <sup>6</sup>		1404 ± 103.6
Positive Control <sup>7</sup>	785 ± 20.5	

Experiment Number: A07760

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)

CAS Number: 68631-49-2

Date Report Requested: 09/15/2018

Time Report Requested: 16:13:01

**LEGEND**

---

Values given as Mean or Mean  $\pm$  Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Solvent

2: 0.5 ug/Plate Sodium Azide

3: 0.75 ug/Plate 2-Aminoanthracene

4: 0.4 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

6: 10.0 ug/Plate Sterigmatocystin

7: 75.0 ug/Plate Other Positive Control

p: Precipitate

**\*\* END OF REPORT \*\***