NTP Study Number: 852570

Study Result: Negative

Experiment Number: **852570**

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

G06: Ames Summary Data

Test Compound: **p-Methyl benzyl alcohol**

CAS Number: **589-18-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:59:44**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	153 ± 10.4	107 ± 4.7	107 ± 8.5	169 ± 4.9	108 ± 10.1
33.0	152 ± 6.7	125 ± 2.8			
100.0	153 ± 6.4	109 ± 5.2	136 ± 6.0	156 ± 4.9	130 ± 5.5
333.0	150 ± 6.6	121 ± 3.2	120 ± 5.2	177 ± 1.5	111 ± 3.4
1000.0	150 ± 13.9	96 ± 10.5	141 ± 12.9	162 ± 10.9	109 ± 2.7
1666.0	129 ± 7.9	107 ± 4.5			
3333.0			117 ± 3.0	149 ± 10.2	102 ± 12.0
6666.0			107 ± 3.9		88 ± 13.5
10000.0				68 ± 7.9	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					840 ± 60.6
Positive Control[3]			625 ± 29.8		
Positive Control[4]	447 ± 24.3	469 ± 15.6			
Positive Control[5]				558 ± 19.5	

Experiment Number: **852570**

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

G06: Ames Summary Data

Test Compound: **p-Methyl benzyl alcohol**

CAS Number: **589-18-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:59:44**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	172 ± 2.9
33.0	
100.0	154 ± 9.6
333.0	148 ± 22.8
1000.0	170 ± 2.1
1666.0	
3333.0	140 ± 9.0
6666.0	
10000.0	119 ± 13.0
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	697 ± 75.4
Positive Control[4]	
Positive Control[5]	

Experiment Number: **852570**

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

G06: Ames Summary Data

Test Compound: **p-Methyl benzyl alcohol**

CAS Number: **589-18-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:59:44**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	22 ± 2.6	20 ± 2.3	10 ± 1.5	17 ± 3.0	9 ± 2.0
33.0	22 ± 4.6	27 ± 1.5			
100.0	23 ± 1.3	23 ± 2.5	10 ± 2.3	15 ± 0.9	12 ± 2.4
333.0	18 ± 5.2	26 ± 2.3	13 ± 3.0	18 ± 3.3	8 ± 0.9
1000.0	24 ± 3.2	22 ± 3.6	12 ± 1.8	18 ± 3.5	8 ± 0.9
1666.0	27 ± 3.2	24 ± 1.2			
3333.0			7 ± 0.7	15 ± 0.6	7 ± 0.9
6666.0			7 ± 0.9		4 ± 1.8
10000.0				6 ± 0.3	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					301 ± 35.4
Positive Control[4]	350 ± 9.0	436 ± 29.8			
Positive Control[5]			244 ± 41.2		
Positive Control[6]				193 ± 9.5	

Experiment Number: **852570**

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

G06: Ames Summary Data

Test Compound: **p-Methyl benzyl alcohol**

CAS Number: **589-18-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:59:44**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	9 ± 3.2
33.0	
100.0	10 ± 3.2
333.0	7 ± 0.9
1000.0	13 ± 0.9
1666.0	
3333.0	9 ± 2.7
6666.0	
10000.0	0 ± 0.3[s]
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	508 ± 33.7
Positive Control[6]	

Experiment Number: **852570**

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

G06: Ames Summary Data

Test Compound: **p-Methyl benzyl alcohol**

CAS Number: **589-18-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:59:44**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	12 ± 1.5	13 ± 1.5	10 ± 1.8
33.0	11 ± 2.3		
100.0	10 ± 1.8	14 ± 2.1	9 ± 3.8
333.0	6 ± 1.0	16 ± 0.6	11 ± 0.3
1000.0	7 ± 1.2	11 ± 1.0	8 ± 0.9
1666.0	5 ± 1.9		
3333.0		10 ± 1.3	6 ± 1.5
10000.0		6 ± 0.9	2 ± 0.9[s]
Trial Summary	Negative	Negative	Negative
Positive Control[3]			78 ± 6.8
Positive Control[5]		64 ± 1.5	
Positive Control[7]	307 ± 72.7		

Experiment Number: **852570**

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

G06: Ames Summary Data

Test Compound: **p-Methyl benzyl alcohol**

CAS Number: **589-18-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:59:44**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	173 ± 3.4	139 ± 11.7	193 ± 9.7	213 ± 1.5	151 ± 1.8
33.0	203 ± 7.8	145 ± 4.4			
100.0	183 ± 8.3	176 ± 5.2	189 ± 6.4	203 ± 10.7	153 ± 5.8
333.0	188 ± 12.7	152 ± 6.6	203 ± 4.0	221 ± 4.9	161 ± 8.1
1000.0	182 ± 7.1	151 ± 3.5	210 ± 11.9	226 ± 2.3	157 ± 13.5
1666.0	153 ± 11.2	133 ± 3.9			
3333.0			171 ± 5.1	169 ± 11.4	141 ± 6.1
6666.0			58 ± 28.7[s]		71 ± 10.8
10000.0				11 ± 4.4	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					536 ± 11.9
Positive Control[3]			410 ± 25.2		
Positive Control[5]				503 ± 20.4	
Positive Control[7]	582 ± 61.7	657 ± 35.6			

Experiment Number: **852570**

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

G06: Ames Summary Data

Test Compound: **p-Methyl benzyl alcohol**

CAS Number: **589-18-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:59:44**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	191 ± 12.8
33.0	
100.0	213 ± 0.9
333.0	200 ± 4.1
1000.0	201 ± 9.5
1666.0	
3333.0	166 ± 2.3
6666.0	
10000.0	10 ± 4.7
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	558 ± 29.4
Positive Control[5]	
Positive Control[7]	

Experiment Number: **852570**

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

G06: Ames Summary Data

Test Compound: **p-Methyl benzyl alcohol**

CAS Number: **589-18-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:59:44**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	23 ± 2.2	12 ± 0.3	31 ± 4.8	49 ± 6.0	27 ± 2.3
33.0	14 ± 1.5	14 ± 2.2			
100.0	18 ± 3.0	14 ± 2.9	25 ± 0.3	42 ± 5.5	30 ± 2.8
333.0	19 ± 1.3	17 ± 0.9	30 ± 4.0	40 ± 7.3	29 ± 1.8
1000.0	18 ± 1.5	16 ± 0.7	36 ± 0.3	37 ± 4.1	34 ± 4.4
1666.0	20 ± 2.0	17 ± 0.6			
3333.0			30 ± 1.5	32 ± 1.8	33 ± 4.4
6666.0			27 ± 1.5		31 ± 4.1
10000.0				13 ± 2.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					740 ± 45.7
Positive Control[3]			425 ± 40.2	145 ± 3.8	
Positive Control[8]	737 ± 8.8	467 ± 8.0			

Experiment Number: **852570**

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

G06: Ames Summary Data

Test Compound: **p-Methyl benzyl alcohol**

CAS Number: **589-18-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:59:44**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	29 ± 2.0
33.0	
100.0	30 ± 3.3
333.0	27 ± 1.2
1000.0	22 ± 2.7
1666.0	
3333.0	25 ± 2.3
6666.0	
10000.0	21 ± 3.5
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	464 ± 20.4
Positive Control[8]	

LEGEND

Values given as Mean or Mean ± 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: Dimethyl Sulfoxide
2: 0.5 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate 2-Aminoanthracene
4: 1.0 ug/Plate Sodium Azide
5: 2.5 ug/Plate 2-Aminoanthracene
6: 5.0 ug/Plate 2-Aminoanthracene
7: 50.0 ug/Plate 9-Aminoacridine
8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **