NTP Study Number:	468738
Study Result:	Positive

Experiment Number: **468738**

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

G06: Ames Summary Data

Test Compound: **N,N'-Diphenyl-p-phenylenediamine**

CAS Number: **74-31-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **10:54:35**

Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	130 ± 1.2	130 ± 8.7	137 ± 8.7
100.0	110 ± 4.2	141 ± 7.5	145 ± 8.7
333.0	87 ± 3.6[s]	153 ± 2.9	155 ± 7.3
1000.0	90 ± 1.8[x]	156 ± 6.4	192 ± 2.3
3333.0	91 ± 3.7[x]	149 ± 7.0[x]	224 ± 13.3[x]
10000.0	101 ± 7.4[x]	145 ± 11.6[x]	210 ± 2.7[x]
Trial Summary	Negative	Negative	Weakly Positive
Positive Control[2]	444 ± 7.7		
Positive Control[3]			1481 ± 23.2
Positive Control[4]		537 ± 32.1	

Experiment Number: **468738**

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

G06: Ames Summary Data

Test Compound: **N,N'-Diphenyl-p-phenylenediamine**

CAS Number: **74-31-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **10:54:35**

Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	15 ± 0.6	29 ± 3.8	28 ± 0.9	29 ± 1.3	32 ± 1.2
33.0			31 ± 2.7		45 ± 1.3
100.0	16 ± 0.3	37 ± 3.9	40 ± 2.0	60 ± 3.2	64 ± 3.1
333.0	15 ± 1.5[s]	51 ± 3.3	51 ± 3.0	203 ± 14.3	141 ± 7.0
1000.0	13 ± 3.3[x]	74 ± 1.0	82 ± 5.4	539 ± 23.2	342 ± 12.0
2000.0			85 ± 1.3[p]		583 ± 49.2[p]
3333.0	12 ± 2.9[x]	75 ± 1.8[x]		517 ± 9.7[x]	
10000.0	17 ± 1.5[x]	79 ± 6.1[x]		469 ± 23.2[x]	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control[5]				659 ± 20.2	536 ± 26.0
Positive Control[3]		110 ± 2.2	318 ± 5.5		
Positive Control[6]	155 ± 2.3				

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 Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.0 ug/Plate 2-Aminoanthracene
5: 0.4 ug/Plate 2-Aminoanthracene
6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate
s: Slight Toxicity
x: Slight Toxicity and Precipitate

** END OF REPORT **