

Experiment Number: 909450

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Azinphosmethyl

CAS Number: 86-50-0

Date Report Requested: 09/17/2018

Time Report Requested: 01:50:14

**NTP Study Number:**

909450

**Study Result:**

Weakly Positive

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	64 ± 3.1	107 ± 5.0	125 ± 4.5
100.0	85 ± 10.7	146 ± 14.6	134 ± 14.3
333.0	96 ± 4.2	160 ± 8.1	138 ± 18.8
1000.0	94 ± 7.2	153 ± 17.9	149 ± 6.2
3333.0	81 ± 12.0 <sup>P</sup>	155 ± 3.3 <sup>P</sup>	145 ± 12.1 <sup>P</sup>
10000.0	53 ± 3.5 <sup>P</sup>	108 ± 2.4 <sup>P</sup>	92 ± 2.4 <sup>P</sup>
Trial Summary	Negative	Equivocal	Negative
Positive Control <sup>2</sup>		993 ± 330.2	2097 ± 183.0
Positive Control <sup>3</sup>	202 ± 20.9		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	2 ± 0.6	10 ± 0.3	6 ± 0.3
100.0	3 ± 1.2	8 ± 0.6	5 ± 1.5
333.0	2 ± 1.0	10 ± 1.9	5 ± 1.2
1000.0	2 ± 0.3	7 ± 1.2	6 ± 1.2
3333.0	3 ± 0.6 <sup>P</sup>	8 ± 1.8 <sup>P</sup>	2 ± 1.2 <sup>P</sup>
10000.0	0 ± 0.3 <sup>P</sup>	4 ± 0.9 <sup>P</sup>	1 ± 0.6 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		31 ± 6.7	40 ± 4.3
Positive Control <sup>3</sup>	197 ± 27.0		

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	2 ± 0.6	7 ± 0.3	11 ± 0.6
100.0	3 ± 1.5	8 ± 1.2	6 ± 1.2
333.0	3 ± 0.7	10 ± 2.0	7 ± 1.2
1000.0	2 ± 0.3	12 ± 0.9	7 ± 0.9
3333.0	1 ± 0.6 <sup>P</sup>	5 ± 0.6 <sup>P</sup>	4 ± 0.7 <sup>P</sup>
10000.0	1 ± 0.7 <sup>P</sup>	8 ± 1.0 <sup>P</sup>	4 ± 1.2 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		41 ± 4.6	194 ± 16.6
Positive Control <sup>4</sup>	879 ± 247.3		

Experiment Number: 909450

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## G06: Ames Summary Data

Test Compound: Azinphosmethyl

CAS Number: 86-50-0

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 2.4	23 ± 4.4	20 ± 3.7	16 ± 2.6	17 ± 1.3
100.0	7 ± 0.3	12 ± 0.3			23 ± 4.0
333.0	9 ± 2.1	21 ± 2.8			14 ± 0.9
1000.0	6 ± 0.7	24 ± 0.7	28 ± 5.1	21 ± 0.6	12 ± 1.3
1667.0			23 ± 1.0		
2500.0				20 ± 1.7	
3333.0	4 ± 2.4 <sup>P</sup>	29 ± 0.6 <sup>P</sup>	32 ± 3.8 <sup>P</sup>		21 ± 4.2 <sup>P</sup>
5000.0				27 ± 2.8 <sup>P</sup>	
6667.0			40 ± 4.3 <sup>P</sup>		
7500.0				38 ± 3.1 <sup>P</sup>	
10000.0	10 ± 0.6 <sup>P</sup>	42 ± 9.6 <sup>P</sup>	41 ± 5.0 <sup>P</sup>	52 ± 6.4 <sup>P</sup>	25 ± 0.3 <sup>P</sup>
Trial Summary	Negative	Negative	Weakly Positive	Positive	Negative
Positive Control <sup>2</sup>		336 ± 36.6	585 ± 48.9	362 ± 25.0	1181 ± 82.3
Positive Control <sup>5</sup>	267 ± 29.6				

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	23 ± 4.3	19 ± 2.6
100.0		
333.0		
1000.0	23 ± 4.4	27 ± 6.4
1667.0	24 ± 1.0	
2500.0		24 ± 3.6
3333.0	29 ± 1.0 <sup>P</sup>	
5000.0		35 ± 7.4 <sup>P</sup>
6667.0	33 ± 0.9 <sup>P</sup>	
7500.0		34 ± 4.3 <sup>P</sup>
10000.0	31 ± 1.5 <sup>P</sup>	35 ± 4.5 <sup>P</sup>
Trial Summary	Negative	Equivocal
Positive Control <sup>2</sup>	2168 ± 43.8	1591 ± 75.9
Positive Control <sup>5</sup>		

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### LEGEND

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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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

\*\* END OF REPORT \*\*