Experiment Number: G10034B
Test Type: Genetic Toxicology - In Vivo Alkaline Comet Assay
Route: Oral Gavage
Species/Strain: Rat/Sprague Dawley

NTP Study Number: G10034B
Study Duration: 4 day
Male Study Result: Negative
### G01: In Vivo Alkaline Comet Summary Data

**Test Compound:** Bisphenol A  
**CAS Number:** 80-05-7

**Experiment Number:** G10034B  
**Test Type:** Genetic Toxicology - In Vivo Alkaline Comet Assay

**Route:** Oral Gavage  
**Species/Strain:** Rat/Sprague Dawley

---

**Sex:** Male; **Number of Treatments:** 4

<table>
<thead>
<tr>
<th>Dose (mg/kg/day)</th>
<th>Blood N</th>
<th>Percent Tail DNA</th>
<th>p-Value</th>
<th>Frozen Blood N</th>
<th>Percent Tail DNA</th>
<th>p-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle Control$^1$ 6</td>
<td>1.240 ± 0.105</td>
<td></td>
<td></td>
<td>6</td>
<td>1.193 ± 0.108</td>
<td></td>
</tr>
<tr>
<td>450</td>
<td>6</td>
<td>1.059 ± 0.099</td>
<td>0.7269</td>
<td>6</td>
<td>1.670 ± 0.355</td>
<td>0.1130</td>
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<tr>
<td>Trend p-Value</td>
<td></td>
<td>0.8805</td>
<td></td>
<td></td>
<td></td>
<td>0.1137</td>
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<tr>
<td>Positive Control$^2$ 6</td>
<td>17.002 ± 0.855</td>
<td>0.0020 *</td>
<td></td>
<td>6</td>
<td>22.870 ± 1.173</td>
<td>&lt; 0.001 *</td>
</tr>
</tbody>
</table>

---

1. Vehicle Control
2. Positive Control

---

**Date Report Requested:** 02/27/2019  
**Time Report Requested:** 11:00:56
<table>
<thead>
<tr>
<th>Dose (mg/kg/day)</th>
<th>N</th>
<th>Percent Tail DNA</th>
<th>p-Value</th>
<th>N</th>
<th>Percent Tail DNA</th>
<th>p-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle Control</td>
<td>6</td>
<td>7.727 ± 0.790</td>
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<td>6</td>
<td>2.848 ± 0.472</td>
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<tr>
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<td>0.4165</td>
<td>6</td>
<td>3.425 ± 0.377</td>
<td>0.1812</td>
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<tr>
<td>Trend p-Value</td>
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<td>0.4167</td>
<td></td>
<td></td>
<td>0.1812</td>
<td></td>
</tr>
<tr>
<td>Positive Control</td>
<td>6</td>
<td>28.134 ± 0.712</td>
<td>&lt; 0.001 *</td>
<td>6</td>
<td>23.334 ± 1.093</td>
<td>0.0020 *</td>
</tr>
</tbody>
</table>

Sex: Male; Number of Treatments: 4
LEGEND

CAS Number = Chemical Abstracts Service registry number
N = Number of subjects
Values given as Mean or Mean ± Standard Error Mean
Pairwise comparison with the control group; values are significant at P <= 0.025 by Williams or Dunn's test
Dose-related trend; significant at P <= 0.025 by linear regression or Jonckheere's test
* Statistically significant pairwise or trend test
1: Vehicle Control: Corn Oil/Acetone (99:1)
2: 200 mg/kg/day Ethyl Methanesulfonate

** END OF REPORT **