**Application Note 160602-1**

**Green River Shale Kinetics Standard**  
**Recommended Weights**

<table>
<thead>
<tr>
<th>Ramp Rate (degrees C/min)</th>
<th>True Tmax</th>
<th>Approx. recommended weights for GRS STD</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>510.0 (approximation)</td>
<td>2-5 mg</td>
</tr>
<tr>
<td>50</td>
<td>495.4</td>
<td>2-5 mg</td>
</tr>
<tr>
<td>30</td>
<td>485.0</td>
<td>3-5 mg</td>
</tr>
<tr>
<td>25</td>
<td>481.3</td>
<td>3-5 mg</td>
</tr>
<tr>
<td>15</td>
<td>471.4</td>
<td>3-5 mg</td>
</tr>
<tr>
<td>10</td>
<td>463.6</td>
<td>5 mg</td>
</tr>
<tr>
<td>5</td>
<td>451.2</td>
<td>5 mg</td>
</tr>
<tr>
<td>3</td>
<td>441.9</td>
<td>5 mg</td>
</tr>
<tr>
<td>2</td>
<td>434.3</td>
<td>10 mg</td>
</tr>
<tr>
<td>1</td>
<td>422.4</td>
<td>10 mg</td>
</tr>
</tbody>
</table>

In addition with all the Kinetics methods it is recommended that the “Points count” be set to 2000.

Rates highlighted in yellow are the recommended rates to use for Kinetics analysis.