Chevron Phillips Chemical Company
Issued Sales Specification

Name of Product
PA-18, LV

Revision Date
02/23/2012

Chevron Phillips Chemical Company LP
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<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Specification</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White to yellow powder with no foreign matter</td>
<td>White to yellow powder with no foreign matter</td>
<td>Visual</td>
</tr>
<tr>
<td>Volatiles, wt %</td>
<td>0.1</td>
<td>1.0 max</td>
<td></td>
</tr>
<tr>
<td>Melting Point, °C</td>
<td>115 - 126</td>
<td>110 - 135</td>
<td></td>
</tr>
<tr>
<td>Viscosity as its potassium salt at 30 °C, 20 wt% in water, cP</td>
<td>1000 max</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IR Absorbance, abs/g, at:</td>
<td></td>
<td></td>
<td>FTIR</td>
</tr>
<tr>
<td></td>
<td>1779 cm⁻¹ Comparable to standard</td>
<td>Report</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1709 cm⁻¹ Comparable to standard</td>
<td>Report</td>
<td></td>
</tr>
</tbody>
</table>

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