Product Name: Acrylic acid N-hydroxysuccinimide ester ~ ≥90%

Certificate of Analysis

<table>
<thead>
<tr>
<th>Test</th>
<th>Specification</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance (Color)</td>
<td>White to Yellow</td>
<td>Off-White</td>
</tr>
<tr>
<td>Appearance (Form)</td>
<td>Powder</td>
<td>Powder</td>
</tr>
<tr>
<td>Solubility (Color)</td>
<td>Colorless to Yellow</td>
<td>Very Faint Yellow</td>
</tr>
<tr>
<td>Solubility (Turbidity)</td>
<td>Clear</td>
<td>Clear</td>
</tr>
<tr>
<td>50 mg/mL, DMSO</td>
<td>&lt; 2 %</td>
<td>&lt; 0 %</td>
</tr>
<tr>
<td>Solvent Content</td>
<td>Conforms to Structure</td>
<td>Conforms</td>
</tr>
<tr>
<td>Proton NMR Spectrum</td>
<td>Conforms to Structure</td>
<td>Conforms</td>
</tr>
<tr>
<td>13C NMR Spectrum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purity (TLC)</td>
<td>≥ 90 %</td>
<td>95 %</td>
</tr>
</tbody>
</table>

Carolyn Baird, Supervisor
Quality Assurance
St. Louis, Missouri US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.