### Glucosylceramide (Soy)

Glucocerebrosides (Soy, 98%)

**131304-25mg**

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight</td>
<td>714.025 (based on representative structure; may not reflect exact MW of compound)</td>
</tr>
<tr>
<td>Physical State</td>
<td>Powder</td>
</tr>
<tr>
<td>Storage</td>
<td>-20°C</td>
</tr>
<tr>
<td>Expiration Date</td>
<td>One year from date of receipt</td>
</tr>
<tr>
<td>M Lot Number</td>
<td>5005PJA041</td>
</tr>
<tr>
<td>Avanti Lot Number</td>
<td>131304P-25MG-A-041</td>
</tr>
</tbody>
</table>

### ANALYSIS

<table>
<thead>
<tr>
<th>Physical Examination</th>
<th>Specification</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powder: White solid which contains no foreign matter</td>
<td>&gt;99% Purity&lt;br&gt;Ninhydrin: negative&lt;br&gt;Iodine: one major spot&lt;br&gt;Phosphorus: negative&lt;br&gt;Charring: positive&lt;br&gt;Water dip: one major spot</td>
<td>Pass</td>
</tr>
<tr>
<td>TLC (80:20:2 Chloroform: Methanol: Water)</td>
<td>&gt;99% Purity&lt;br&gt;Ninhydrin: negative&lt;br&gt;Iodine: one major spot&lt;br&gt;Charring: positive&lt;br&gt;Water dip: one major spot</td>
<td>All Pass</td>
</tr>
<tr>
<td>UV Oxidation</td>
<td>NMT 5% total all wavelengths</td>
<td>0.9% total</td>
</tr>
<tr>
<td>FAME (GC/FID)</td>
<td>Consistent with historical data</td>
<td>Consistent with historical data</td>
</tr>
<tr>
<td>Mass Spectroscopy</td>
<td>[M+H]+ = 715.025 ± 1 amu</td>
<td>[M+H]+ = 714.9 amu</td>
</tr>
</tbody>
</table>

Approved By: [Signature]

For Research Use Only. Not For Human Use.