Sphingosine (d18:1)
D-erythro-sphingosine
860490P-500mg

<table>
<thead>
<tr>
<th><strong>Molecular Weight</strong></th>
<th>299.492</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical Formula</strong></td>
<td>C\textsubscript{18}H\textsubscript{37}NO\textsubscript{2}</td>
</tr>
<tr>
<td><strong>Physical State</strong></td>
<td>Powder</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>-20°C</td>
</tr>
<tr>
<td><strong>Expiration Date</strong></td>
<td>One year from date of receipt</td>
</tr>
<tr>
<td><strong>M Lot Number</strong></td>
<td>5950PPA017</td>
</tr>
<tr>
<td><strong>Avanti Lot Number</strong></td>
<td>860490P-500MG-A-017</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>ANALYSIS</strong></th>
<th><strong>SPECIFICATION</strong></th>
<th><strong>RESULTS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical examination</td>
<td><strong>Powder</strong>: White solid which contains no foreign matter.</td>
<td>Pass</td>
</tr>
<tr>
<td>TLC</td>
<td>&gt;99% Purity</td>
<td>All Pass</td>
</tr>
<tr>
<td></td>
<td>Ninhydrin: positive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Iodine: one major spot</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Phosphorus: negative</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Charring: positive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Water dip: one major spot</td>
<td></td>
</tr>
<tr>
<td>Proton NMR</td>
<td>NMR spectrum consistent with structure</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td>Mass Spectroscopy</td>
<td>[M+H]\textsuperscript{+} = 300.492 ± 1 amu</td>
<td>[M+H]\textsuperscript{+} = 300.4 amu</td>
</tr>
</tbody>
</table>

Approved by: [Signature]