**18:1 Lyso PC**
1-oleoyl-2-hydroxy-sn-glycero-3-phosphocholine

**845875C-500mg**

<table>
<thead>
<tr>
<th><strong>Molecular Weight</strong></th>
<th>521.667</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical Formula</strong></td>
<td>C_{26}H_{52}NO_7P</td>
</tr>
<tr>
<td><strong>Physical State</strong></td>
<td>Chloroform</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>5577CPA072</td>
</tr>
<tr>
<td><strong>Avanti Lot Number</strong></td>
<td>845875C-500MG-A-072</td>
</tr>
</tbody>
</table>

### ANALYSIS

<table>
<thead>
<tr>
<th><strong>SPECIFICATION</strong></th>
<th><strong>RESULTS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical Examination</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Chloroform:</strong> Clear solution with no foreign matter</td>
<td>Pass</td>
</tr>
<tr>
<td><strong>TLC</strong></td>
<td></td>
</tr>
<tr>
<td>&gt;99% Purity</td>
<td>All Pass</td>
</tr>
<tr>
<td>Ninhydrin: negative</td>
<td></td>
</tr>
<tr>
<td>Iodine: one major spot</td>
<td></td>
</tr>
<tr>
<td>Phosphorus: positive</td>
<td></td>
</tr>
<tr>
<td>Charring: positive</td>
<td></td>
</tr>
<tr>
<td>Water dip: one major spot</td>
<td></td>
</tr>
<tr>
<td><strong>FAME (GC/FID)</strong></td>
<td></td>
</tr>
<tr>
<td>NLT 99% 18:1 (AUC)</td>
<td>99.6% (AUC)</td>
</tr>
<tr>
<td><strong>Phosphorus Assay (UV/Vis)</strong></td>
<td></td>
</tr>
<tr>
<td>95-105% recovery phosphorus</td>
<td>Pass</td>
</tr>
<tr>
<td><strong>Calcium (ICP/MS)</strong></td>
<td></td>
</tr>
<tr>
<td>NMT 500ppm Ca</td>
<td>None Detected</td>
</tr>
<tr>
<td><strong>Proton NMR</strong></td>
<td></td>
</tr>
<tr>
<td>NMR spectrum consistent with reference structure</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td><strong>Mass Spectroscopy</strong></td>
<td></td>
</tr>
<tr>
<td>[M+H]^+ = 522.667 ± 1 amu</td>
<td>[M+H]^+ = 522.3 amu</td>
</tr>
</tbody>
</table>

Approved By: [Signature]

For Research Use Only. Not For Human Use.