16:0 PC (DPPC)
(1,2-Dipalmitoyl-sn-Glycero-3-Phosphocholine)

**850355C-1g**

<table>
<thead>
<tr>
<th><strong>Molecular Weight</strong></th>
<th>734.034</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical Formula</strong></td>
<td>C₄₀H₈₀NO₈P</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>5648CQA328</td>
</tr>
<tr>
<td><strong>Avanti Lot Number</strong></td>
<td>850355C-1G-A-328</td>
</tr>
</tbody>
</table>

### Analysis

<table>
<thead>
<tr>
<th><strong>Analysis</strong></th>
<th><strong>Specification</strong></th>
<th><strong>Results</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical Examination</strong></td>
<td><strong>Chloroform</strong>: Clear solution which contains no foreign matter</td>
<td>Pass</td>
</tr>
<tr>
<td><strong>TLC</strong></td>
<td>&gt;99% Purity&lt;br&gt;Ninhydrin: negative&lt;br&gt;Iodine: one major spot&lt;br&gt;Phosphorus: positive&lt;br&gt;Charring: negative&lt;br&gt;Water dip: one major spot</td>
<td>&gt;99% Purity&lt;br&gt;Iodine: one major spot&lt;br&gt;Phosphorus: positive&lt;br&gt;Charring: negative&lt;br&gt;Water dip: one major spot</td>
</tr>
<tr>
<td><strong>Proton NMR</strong></td>
<td>NMR spectrum consistent with structure</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td><strong>FAME (GC/FID)</strong></td>
<td>NLT 99% 16:0 (AUC)</td>
<td>99.9% 16:0 (AUC)</td>
</tr>
<tr>
<td><strong>Mass Spectroscopy</strong></td>
<td>[M+H]⁺ = 735.03 ± 1 amu</td>
<td>[M+H]⁺ = 734.7 amu</td>
</tr>
</tbody>
</table>

Approved By: **Anderson Thomas**