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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Specification</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight</td>
<td>734.034</td>
<td></td>
</tr>
<tr>
<td>Chemical Formula</td>
<td>C_{40}H_{80}NO_{8}P</td>
<td></td>
</tr>
<tr>
<td>Physical State</td>
<td>Powder</td>
<td>Pass</td>
</tr>
<tr>
<td>Storage</td>
<td>-20°C</td>
<td></td>
</tr>
<tr>
<td>Expiration Date</td>
<td>One year from date of receipt</td>
<td></td>
</tr>
<tr>
<td>M Lot Number</td>
<td>5648PPC328</td>
<td></td>
</tr>
<tr>
<td>Avanti Lot Number</td>
<td>850355P-500MG-C-328</td>
<td></td>
</tr>
</tbody>
</table>

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

Approved By: [Signature]

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