18:1 PS (DOPS)
1,2-dioleoyl-sn-glycero-3-phospho-L-serine (sodium salt)

840035C-BULK

Molecular Weight  810.025
Chemical Formula  C_{42}H_{77}NO_{10}PNa
Physical State  Chloroform
Storage  -20°C
Expiration Date  One year from date of receipt
M Lot Number  5498CWC372
Avanti Lot Number  840035C-CONF-C-372

<table>
<thead>
<tr>
<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Examination</td>
<td>Chloroform: Clear solution with no foreign matter</td>
<td>Pass</td>
</tr>
<tr>
<td>TLC</td>
<td>&gt;99% Purity</td>
<td>All Pass</td>
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<tr>
<td></td>
<td>Ninhydrin: positive</td>
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<td></td>
<td>Iodine: one major spot</td>
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<tr>
<td></td>
<td>Phosphorus: positive</td>
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<tr>
<td></td>
<td>Charring: positive</td>
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<tr>
<td></td>
<td>Water dip: one major spot</td>
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<tr>
<td>FAME (GC/FID)</td>
<td>NLT 99% 18:1 (AUC)</td>
<td>100% (AUC)</td>
</tr>
<tr>
<td>Calcium (ICP/MS)</td>
<td>NMT 500 ppm</td>
<td>None Detected</td>
</tr>
<tr>
<td>Mass Spectroscopy</td>
<td>Negative mode: [M-\text{Na}] = 787.025 ± 1 amu</td>
<td>[M-\text{Na}] = 787.1 amu</td>
</tr>
<tr>
<td></td>
<td>or Positive mode: [M-\text{Na}+2\text{H}] = 789.025 ± 1 amu</td>
<td></td>
</tr>
</tbody>
</table>

Approved By: [Signature]

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