18:1 Lyso PE
1-oleoyl-2-hydroxy-sn-glycero-3-phosphoethanolamine
846725P-1g

**Molecular Weight** 479.588
**Chemical Formula** \( C_{23}H_{46}NO_7P \)
**Physical State** Powder
**Storage** -20°C
**Expiration Date** One year from date of receipt
**M Lot Number** 5578PQA056
**Avanti Lot Number** 846725P-1G-A-056

<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>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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<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>
<tr>
<td>FAME (GC/FID)</td>
<td>NLT 98% 18:1 (AUC)</td>
<td>98.3% 18:1 (AUC)</td>
</tr>
<tr>
<td>Calcium (ICP/MS)</td>
<td>NMT 500ppm</td>
<td>None detected</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]^+ = 480.588 \pm 1 \text{ amu})</td>
<td>([M+H]^+ = 480.3 \text{ amu})</td>
</tr>
</tbody>
</table>

Approved by:

[Signature]