Egg Lyso PE
L-α-lysophosphatidylethanolamine (Egg, Chicken)
860081P-10MG

<table>
<thead>
<tr>
<th>Molecular weight</th>
<th>471.609 (average based on fatty acid distribution in product)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Powder</td>
</tr>
<tr>
<td>Storage</td>
<td>-20°C</td>
</tr>
<tr>
<td>Expiration Date</td>
<td>One year from date of receipt</td>
</tr>
<tr>
<td>M Lot Number</td>
<td>5876PIB046</td>
</tr>
<tr>
<td>Avanti Lot Number</td>
<td>860081P-10MG-B-046</td>
</tr>
</tbody>
</table>

**ANALYSIS**  | **SPECIFICATION**  | **RESULTS**  |
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Physical examination</td>
<td><strong>Powder:</strong> White solid which contains no foreign matter.</td>
<td>Pass</td>
</tr>
</tbody>
</table>
| TLC | >99% Purity  
Ninhydrin: positive  
Iodine: one major spot  
Phosphorus: positive  
Charring: positive  
Water dip: one major spot | All Pass |
| UV Oxidation | NMT 5% total all wavelengths | 0.44% total |
| FAME (GC/FID) | Consistent with historical data  
(not specifications):  
16:0 = ~33.7%  
16:1 = ~0.2%  
18:0 = ~57.0%  
18:1 = ~5.1%  
18:2 = ~0.5%  | Consistent with historical data  
(not specifications):  
16:0 = ~36.5% (AUC)  
18:0 = ~55.5% (AUC)  
18:1 = ~6.8% (AUC)  
18:2 = ~0.7% (AUC)  
Total = ~99.5% (AUC) |
| Calcium (ICP/MS) | NMT 500ppm | None Detected |
| Proton NMR | NMR spectrum consistent with structure | Pass |
| Mass Spectroscopy | Consistent with historical data.  
\([\text{M+H}]^+ = 454.55 \pm 1 \text{ amu}\)  
\([\text{M+H}]^+ = 482.60 \pm 1 \text{ amu}\) | Consistent with historical data.  
\([\text{M+H}]^+ = 454.8 \text{ amu}\)  
\([\text{M+H}]^+ = 482.6 \text{ amu}\) |

Approved By:  

[Signature]