MAPCHO®-14
n-tetradecylphosphocholine
850338P-1g

Molecular Weight 379.515
Chemical Formula \( \text{C}_{19}\text{H}_{42}\text{NO}_{4}\text{P} \)
Physical State Powder
Storage -20 °C
Expiration Date One year from date of receipt
M Lot Number 5641PQA012
Avanti Lot Number 850338P-1G-A-012

<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>
</tbody>
</table>
| TLC (65:35:8 Chloroform: Methanol: Water) | >99% Purity
Ninhydrin: negative
Iodine: one major spot
Phosphorus: positive
Charring: positive
Water dip: one major spot | All Pass         |
| Proton NMR               | NMR spectrum consistent with structure              | consistent with structure |
| \(^{13}\)Carbon NMR      | NMR spectrum consistent with structure              | consistent with structure |
| Mass Spectroscopy        | \([\text{M+H}]^+ = 380.515 \pm 1 \text{ amu}\)     | \([\text{M+H}]^+ = 380.6 \text{ amu}\) |

Approved by: 

[Signature]