MAPCHO®-12
n-dodecylphosphocholine
850336P-25g

Molecular Weight 351.462
Chemical Formula C_{17}H_{38}NO_{4}P
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5639PXA077
Avanti Lot Number 850336P-25G-A-077

### ANALYSIS

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Examination</td>
<td>Powder: White solid which contains no foreign matter</td>
</tr>
</tbody>
</table>
| TLC | >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 |
| Mass Spectroscopy | [M+H]^+ = 352.462 ± 1 amu | [M+H]^+ = 352.1 amu |

Approved By: [Signature]

For Research Use Only. Not For Human Use.