

Analytical Data Sheet

Lot number

1047039

not for drug use

Catalog Number	O-1345.0250
Product number	4005642.0250
Product	1- Myristoyl- sn- glycerol- 3- phosphocholine
Molecular formula	C ₂₂ H ₄₆ NO ₇ P
Relative molecular mass	467.58

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 56.5%</td> <td>C = 56.1%</td> </tr> <tr> <td>H = 9.9%</td> <td>H = 9.7%</td> </tr> <tr> <td>N = 3.0%</td> <td>N = 3.0%</td> </tr> </table>	Theory	Found	C = 56.5%	C = 56.1%	H = 9.9%	H = 9.7%	N = 3.0%	N = 3.0%
Theory	Found								
C = 56.5%	C = 56.1%								
H = 9.9%	H = 9.7%								
N = 3.0%	N = 3.0%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_{365}^{24} = +7.0^{\circ}$ (2% in methanol)								
Purity (TLC)	> 95%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, TMB, Rhodamin B								
Assay (elemental analysis)	99.2% (Cth 56.51%, Cfd 56.08%)								
Water content (KF volumetric)	0.2%								
Latest update: February 26, 2013									