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37-0108 Phosphatidylcholine hydrogenated from soybean

Composition

Phospholipids	[g/100 g]	
Phosphatidylcholine (by anhydrous weight)		n.l.t. 98.0
Typical fatty acid composition in % to total fatty acids		
Palmitic acid		12 - 16
Stearic acid		83 - 88
Oleic acid and isomers		n.m.t. 2
Linoleic acid		n.m.t. 1

Identity

Molecular weight		approx. 790
Thin-layer chromatography:		
Solvent system: chloroform/methanol/water (65:25:4, v:v:v)		
Visualisation: Dittmer reagent (blue)		
R _f approx. 0.4		1 main spot

Purity

N-Acyl-phosphatidylethanolamine		n.m.t. 0.5
Phosphatidylethanolamine		n.m.t. 0.1
Lysophosphatidylcholine		n.m.t. 0.5
Non-polar lipids	[g/100 g]	n.m.t. 1.0
Triglycerides		n.m.t. 0.5
Free fatty acids		n.m.t. 0.3
Phosphorus	[g/100 g]	3.8 - 4.1
Water	[g/100 g]	n.m.t. 3.0
Peroxide value	[meq O ₂ /kg]	n.m.t. 3.0
Iodine value		n.m.t. 2
Heavy metals	[ppm]	n.m.t. 10
Residual solvents		
Ethanol	[g/100 g]	n.m.t. 0.5

Bacteriological Data

Total aerobic microbial count (TAMC)	[/g]	n.m.t. 100
Yeasts	[/g]	n.m.t. 10
Moulds	[/g]	n.m.t. 10
Escherichia coli	[/10 g]	negative
Salmonella	[/10 g]	negative
Staphylococcus aureus	[/10 g]	negative
Pseudomonas aeruginosa	[/10 g]	negative

Endotoxins

Endotoxins	[EU/g]	n.m.t. 6
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