

MGDG

Monogalactosyldiacylglycerol (Plant)

840523P-25mg
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Molecular Weight	775.06 (average based on fatty acid distribution in product)
Physical State	Powder
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5556PJH029
Avanti Lot Number	840523P-25MG-H-029

ANALYSIS	SPECIFICATION	Results
Physical Examination	Powder: white solid which contains no foreign matter	Pass
TLC (9:1 Chloroform: Methanol)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot
UV Oxidation	NMT 10% total all wavelengths	1.97% total
FAME (GC/FID)	Consistent with historical data 16:3 = ~35% 18:3 = ~60%	Consistent with historical data
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Mass Spectroscopy	$[M+NH_4]^+ = 765.000 \pm 1$ amu (predominant species)	$[M+NH_4]^+ = 764.6$ amu (predominant species)

Approved by:



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