

DGDG

Digalactosyldiacylglycerol (Plant)

840524P-5mg

Page 1 of 1

Molecular Weight	926.767 (average based on fatty acid distribution in product)
Chemical Formula	C ₅₁ H ₈₄ O ₁₅ (predominant species)
Physical State	Powder
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5557PHA029
Avanti Lot Number	840524P-5MG-A-029

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin spray: negative to faint positive Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	>99% Purity Ninhydrin spray: positive Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	Consistent with historical data 16:3 = ~20% 18:2 = ~10% 18:3 = ~60%	Consistent with historical data
HPLC-ELSD	NLT 99% (AUC)	99.2% AUC
UV Oxidation	NMT 10% total all wavelengths	7.9% total all wavelengths
Mass Spectroscopy	[M+NH ₄] ⁺ = 955.20 ± 1 amu (predominant species)	[M+NH ₄] ⁺ = 954.62 amu (predominant species)

Approved By:



For Research Use Only. Not For Human Use.