

DGDG

Digalactosyldiacylglycerol (Plant)

840524P-5mg

Page 1 of 1

**Molecular Weight** 926.767 (average based on fatty acid distribution in product)  
**Chemical Formula** C<sub>51</sub>H<sub>84</sub>O<sub>15</sub> (predominant species)  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** Three months from date of receipt  
**M Lot Number** 5557PHA028  
**Avanti Lot Number** 840524P-5MG-A-028

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
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)	99.7% AUC
UV Oxidation	NMT 10% total all wavelengths	7.81% total all wavelengths
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 955.20 ± 1 amu (predominant species)	[M+NH <sub>4</sub> ] <sup>+</sup> = 954.65 amu (predominant species)

Approved By:



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