

**DGDG**

Digalactosyldiacylglycerol (Plant)

**840524P-10mg**

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**Molecular Weight** 926.767 (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** 5557PIA018  
**Avanti Lot Number** 840524P-10MG-A-018

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
UV Oxidation	NMT 10% total all wavelengths	3.42% total
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
FAME (GC/FID)	Consistent with historical data 16:3 = ~20% 18:2 = ~10% 18:3 = ~60%	Consistent with historical data
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 955.000 ± 1 amu (predominant species)	[M+NH <sub>4</sub> ] <sup>+</sup> = 955.1 amu (predominant species)

Approved By: 

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