

**DGDG**

**Digalactosyldiacylglycerol (Plant)**

**840524P-10mg**

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<b>Molecular Weight</b>	926.767 (average based on fatty acid distribution in product)
<b>Chemical Formula</b>	C <sub>51</sub> H <sub>84</sub> O <sub>15</sub> (predominant species)
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	5557PIA028
<b>Avanti Lot Number</b>	840524P-10MG-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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