

**DGDG**

Digalactosyldiacylglycerol (Plant)

**840524P-5mg**

Page 1 of 1

<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>
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5557PHD025
<b>Avanti Lot Number</b>	840524P-5MG-D-025

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 955.000 ± 1 amu (predominant species)	[M+NH <sub>4</sub> ] <sup>+</sup> = 956.1 amu
FAME (GC/FID)	Consistent with historical data 16:3 = ~20% 18:2 = ~10% 18:3 = ~60%	Consistent with historical data
UV Oxidation	NMT 10% total all wavelengths	2.40% total
HPLC-ELSD	NLT 99% (AUC)	100% AUC

 Approved By: *Andriana Thomas*

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