

DGDG

Digalactosyldiacylglycerol (Plant)

840524P-25mg

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| | |
|--------------------------|---------------------------------------------------------------|
| Molecular Weight | 926.767 (average based on fatty acid distribution in product) |
| Chemical Formula | C ₅₁ H ₈₄ O ₁₅ |
| Physical State | Powder |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 5557PJD025 |
| Avanti Lot Number | 840524P-25MG-D-025 |

| 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 |
| Mass Spectroscopy | [M+NH ₄] ⁺ = 955.000 ± 1 amu (predominant species) | [M+NH ₄] ⁺ = 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: *Anderson Thomas*

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