

DGDG

Digalactosyldiacylglycerol (Plant)

840524P-25mg

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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 5557PJA018
Avanti Lot Number 840524P-25MG-A-018

| ANALYSIS | SPECIFICATION | RESULTS |
|----------------------|---|--|
| Physical Examination | Powder: 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 ₄] ⁺ = 955.000 ± 1 amu (predominant species) | [M+NH ₄] ⁺ = 955.1 amu (predominant species) |

Approved By: 

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