

**DGDG**
**Digalactosyldiacylglycerol (Plant)**
**840524-10mg**
**Page 1 of 1**

|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 926.767 (average based on fatty acid distribution in product) |
| <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>      | 5557PIA020  |
| <b>Avanti Lot Number</b> | 840524P-10MG-A-020  |

| ANALYSIS             | SPECIFICATION   | RESULTS  |
|----------------------|---|--|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter   | Pass   |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: positive<br>Water dip: one major spot | All Pass   |
| UV Oxidation         | NMT 10% total all wavelengths   | 2.41% total wavelengths  |
| HPLC-ELSD            | NLT 99% (AUC)   | 100% (AUC)   |
| FAME (GC/FID)        | Consistent with historical data<br>16:3 = ~20%<br>18:2 = ~10%<br>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<br>(predominant species)  | [M+NH <sub>4</sub> ] <sup>+</sup> = 954.9 amu<br>(predominant species) |



Approved By:

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