

**Trioctanoin****1,2,3-trioctanoylglycerol****870111O-5G****Page 1 of 1**

**Molecular Weight** 470.69  
**Chemical Formula** C<sub>27</sub>H<sub>50</sub>O<sub>6</sub>  
**Physical State** Oil  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6986ORC010  
**Avanti Lot Number** 870111O-5G-C-010

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Physical Examination | Oil: clear viscous liquid with no foreign matter                                                                                        | Pass                                                                                                                                    |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: negative<br>Water dip: one major spot | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: negative<br>Water dip: one major spot |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                                                                                                               |
| FAME (GC/FID)        | NLT 99% (AUC)                                                                                                                           | 100% (AUC)                                                                                                                              |
| Mass Spectroscopy    | [M+NH <sub>4</sub> ] <sup>+</sup> = 471.69 ± 1 amu                                                                                      | [M+H] <sup>+</sup> = 488.3 amu                                                                                                          |

Approved By: 

For Research Use Only. Not For Human Use.