

**16:0 TAP**

1,2-dipalmitoyl-3-trimethylammonium-propane (chloride salt)

**890870P-25mg****Page 1 of 1**

**Molecular Weight** 646.467  
**Chemical Formula** C<sub>38</sub>H<sub>76</sub>NO<sub>4</sub>Cl  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6359PJG038  
**Avanti Lot Number** 890870P-25MG-G-038

| 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: negative<br>Water dip: one major spot | All Pass                        |
| FAME (GC/FID)        | NLT 99% 16:0 (AUC)                                                                                                                      | 99.9% (AUC)                     |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure       |
| Mass Spectroscopy    | [M-Cl] <sup>+</sup> = 611.467 ± 1 amu                                                                                                   | [M-Cl] <sup>+</sup> = 610.9 amu |

Approved By:



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