

ALC-0159

2-[(polyethylene glycol)-2000]-N,N-ditetradecylacetamide

880155P-100mg

Page 1 of 1

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|--------------------------|--|
| Physical State | Powder |
| Chemical Formula | $C_{30}H_{60}NO(C_2H_4O)_nOCH_3$, n=45-50 |
| Molecular Weight | ~2400-2600 |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| MLOT Number | 7050PLA011 |
| Avanti Lot Number | 880155P-100MG-A-011 |

| ANALYSIS | SPECIFICATION | RESULTS |
|--------------------------------------|---|--|
| Physical Examination | Powder: white solid which contains no foreign matter | Pass |
| Impurities by UHPLC-CAD | NLT 95.0% ALC0159 NMT 5.0% sum of all impurities | 96.4% ALC0159 3.6% total impurities |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| Molecular Weight (Mw) by TOF-MS | Run and Report | 2435.820 |
| Polydispersity Index (PDI) by TOF-MS | Run and Report | 1.011 |
| TLC | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot | All Pass |

 Approved By: *Anderson Thomas*

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