

Egg SM

Sphingomyelin (Egg, Chicken)

860061P-25mg**Page 1 of 1**

Molecular Weight 710.965 (average based on fatty acid distribution in product)
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5869PJD121
Avanti Lot Number 860061P-25MG-D-121

| ANALYSIS | SPECIFICATION | RESULTS |
|----------------------|---|---|
| Physical Examination | Powder: White solid with no foreign matter | Pass |
| TLC | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| Mass Spectroscopy | $[M+H]^+ = 704.0 \pm 1$ amu (predominant species) | $[M+H]^+ = 703.7$ amu (predominant species) |

Approved By: *Anderson Thomas*

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