

Milk SM

Sphingomyelin (Milk, Bovine)

860063P-200MG
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Molecular Weight	785.034 (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	5871PNA034
Avanti Lot Number	860063P-200MG-A-034

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: White solid which contains no foreign matter.	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
UV Oxidation	NMT 5% total all wavelengths	0.0% total all wavelength
FAME (GC/FID)	Consistent with historical data (not specifications): 16:0 = ~16% 22:0 = ~20% 23:0 (AUC) = ~34% 24:0 = ~21% 24:1 = ~3%	Consistent with historical data
Mass Spectroscopy	[M+H] ⁺ of predominant species are 801.68 ± 1 amu, 787.62 ± 1 amu, and 703.57 ± 1 amu	[M+H] ⁺ of predominant species are 802.1 amu, 787.8 amu, and 704.0 amu

Approved by:

