

**Brain SM**

Sphingomyelin (Brain, Porcine)

**860062C-200mg**
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<b>Molecular Weight</b>	760.223 (average based on fatty acid distribution in product)
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20 °C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5870CNA130
<b>Avanti Lot Number</b>	860062C-200MG-A-130

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Chloroform:</b> Clear solution with 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	0.10% total all wavelengths
FAME (GC/FID)	Consistent with historical data (not specifications): 16:0 = ~2% 18:0 = ~50% 20:0 = ~5% 22:0 = ~7% 24:0 = ~5% 24:1 = ~21%	Consistent with historical data
Mass Spectroscopy	[M+H] <sup>+</sup> = 731.61 ± 1 amu (predominant species)	[M+H] <sup>+</sup> = 731.9 amu (predominant species)

Approved By:

