

SQDG

sulfoquinovosyldiacylglycerol

840525P-5mg

Page 1 of 1

Molecular Weight	834.2
Chemical Formula	C ₄₃ H ₇₉ NO ₁₂ S
Physical State	Powder
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5558PHA026
Avanti Lot Number	840525P-5MG-A-026

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot
UV Oxidation	NMT 10% total all wavelengths	3.55% total
FAME (GC/FID)	Consistent with historical data: 16:0 = ~45% 18:2 = ~5% 18:3 = ~50%	Consistent with historical data
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-NH ₄] ⁺ = 816.2 ± 1 amu (predominant species)	[M-NH ₄] ⁺ = 815.6 amu (predominant species)

 Approved By: *Anderson Thomas*

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