

Trioctanoin

1,2,3-trioctanoylglycerol

870111O-5G

Page 1 of 1

Molecular Weight	470.69
Chemical Formula	C ₂₇ H ₅₀ O ₆
Physical State	Oil
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6986ORB010
Avanti Lot Number	870111O-5G-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Oil: clear viscous liquid with no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	NLT 99% (AUC)	100% (AUC)
Mass Spectroscopy	[M+NH ₄] ⁺ = 471.69 ± 1 amu	[M+H] ⁺ = 488.3 amu

Approved By: *Anderson Thomas*

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