

16:0 aldehyde

hexadecanal

857458M-1mg

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Molecular Weight	240.425
Chemical Formula	C ₁₆ H ₃₂ O
Physical State	Methylene Chloride
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5839MGD013
Avanti Lot Number	857458M-1MG-D-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Methylene Chloride: Clear solution with no foreign matter	Pass
TLC (9:1 Hexane: Ethyl Acetate)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH ₄] ⁺ = 258.425 ± 1 amu	[M+NH ₄] ⁺ = 258.7 amu

Approved By: *Andriana Thomas*

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