

18:0 DDAB

Dimethyldioctadecylammonium (Bromide Salt)

890810P-25mg

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Molecular Weight	630.952
Chemical Formula	C ₃₈ H ₈₀ NBr
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6353PJA031
Avanti Lot Number	890810P-25MG-A-031

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (85:15 Chloroform: Methanol)	>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
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-Br] ⁺ = 551.952 ± 1 amu	[M-Br] ⁺ = 550.9 amu
Residual Solvents	Run and Report	25 ppm Methanol 2 ppm Acetone 5 ppm Isopropanol 9 ppm Ethyl Acetate 49 ppm Chloroform

 Approved by: *Anderson Thomas*

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