

**18:0 DDAB**

Dimethyldioctadecylammonium (Bromide Salt)

**890810P-1g**

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<b>Molecular Weight</b>	630.952
<b>Chemical Formula</b>	C <sub>38</sub> H <sub>80</sub> NBr
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6353PQA031
<b>Avanti Lot Number</b>	890810P-1G-A-031

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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] <sup>+</sup> = 551.952 ± 1 amu	[M-Br] <sup>+</sup> = 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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