

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Hexadecyl trimethyl ammonium bromide,99%

ITEM NUMBER: H108983
BRAND: Aladdin
CAS NUMBER: 57-09-0
MDL NUMBER: MFCD00011772
FORMULA: C19H42BrN
MOLECULAR WEIGHT: 364.45

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White to Off-White Solid, Powder, or Crystals		
Fe	0 %	0.005 %	0.005 %
Ignition residue (as sulfate)	0 %	0.1 %	0.1 %
Insoluble matter	0 %	0.1 %	0.1 %
Lead(Pb)	0 %	0.005 %	0.005 %
Melting point	248 ° C	251 ° C	251 ° C
Proton NMR spectrum	Conforms to Structure		
Purity(titration with AgNO3)	99 %	101 %	101 %
Solubility in H2O	Colorless to Faint Yellow, Clear,0.1 M		
Sulfate (SO4)	0 %	0.05 %	0.05 %
Water by Karl Fischer	0 %	0.5 %	0.5 %