

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-18 13:39:16
 Date of Next Testing: 2027-07-08 13:39:16
 Product Name: **Hexadecyl trimethyl ammonium bromide(CTAB)**
 CAS Number: 57-09-0
 Specifications & Purity: $\geq 99\%$
 Lot #: G2504214
 SKU #: **H108983**
 Version: **0**
 Analysis #: **523328**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Insoluble matter	0-0.1 (%)	0.00000 %
Lead(Pb)	0-0.005 (%)	0.00000 %
Iron(Fe)	0-0.005 (%)	0.00000 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.00000 %
Water by Karl Fischer	0-0.5 (%)	0.06940 %
Melting point	248-251 (°C)	248.30000 °C
Sulfate(SO ₄ ²⁻)	0-0.05 (%)	0.00000 %
Purity(Titration by AgNO ₃)	99-101 (%)	100.98000 %
Appearance (H108983)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow, pass Clear, 0.1 M		Pass



John Su
QA & QC Manager