

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-18 18:26:10
 Date of Next Testing: 2029-07-17 18:26:10
 Product Name: **Stearyl Trimethyl Ammonium Chloride**
 CAS Number: 112-03-8
 Specifications & Purity: $\geq 98\%$
 Lot #: G2511081
 SKU #: **S105314**
 Version: **0**
 Analysis #: **456540**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
PH(20 °C, 0.05% in Water)	5.5-8.5	5.56000
UV Absorbance 280nm(0.05 % in H ₂ O)	0-0.04	0.01800
UV Absorbance 260nm(0.05 % in H ₂ O)	0-0.06	0.02000
UV Absorbance 340nm(0.05 % in H ₂ O)	0-0.02	0.01100
UV Absorbance 225nm A(0.05 % in H ₂ O)	0-0.08	0.03800
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	102.19900 %
Appearance (S105314)	White to Light Beige Powder or Crystals	White to Light Beige Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H ₂ O	almost transparency	almost transparency



John Su
QA & QC Manager