

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-20 13:15:34
Date of Next Testing: 2028-07-19 13:15:34
Product Name: **Stearyl Trimethyl Ammonium Chloride**
CAS Number: 112-03-8
Specifications & Purity: 98%
Lot #: G2418097
SKU #: **S105314**
Version: **0**
Analysis #: **352827**
Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
PH(20 °C, 0.05% in Water)	5.5-8.5	5.53
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	98.67%
UV Absorbance 280nm(0.05 % in H ₂ O)	0-0.04	0.02
UV Absorbance 260nm(0.05 % in H ₂ O)	0-0.06	0.03
UV Absorbance 340nm(0.05 % in H ₂ O)	0-0.02	0.01
UV Absorbance 225nm A(0.05 % in H ₂ O)	0-0.08	0.05
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
Appearance (S105314)	White to Light Beige Powder or Crystals	White to Light Beige Powder or Crystals



John Su
QA & QC Manager