

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-20 15:24:53  
Date of Next Testing: 2028-04-19 15:24:53  
Product Name: **Stearyl Trimethyl Ammonium Chloride**  
CAS Number: 112-03-8  
Specifications & Purity: 98%  
Lot #: D2408220  
SKU #: **S105314**  
Version: **0**  
Analysis #: **335201**  
Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
PH(20 °C, 0.05% in Water)	5.5-8.5	6.83
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	101.50 %
UV Absorbance 260nm(0.05 % in H <sub>2</sub> O)	0-0.06	0.05
UV Absorbance 225nm A(0.05 % in H <sub>2</sub> O)	0-0.08	0.07
UV Absorbance 280nm(0.05 % in H <sub>2</sub> O)	0-0.04	0.04
UV Absorbance 340nm(0.05 % in H <sub>2</sub> O)	0-0.02	0.02
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 <sub>2</sub> O	almost transparency	almost transparency



John Su  
QA & QC Manager