

## Certificate of Analysis

Date of Testing: 2024-05-29 09:21:23  
Date of Next Testing: 2028-05-28 09:21:23  
Product Name: **Stearyl Trimethyl Ammonium Chloride**  
CAS Number: 112-03-8  
Specifications & Purity: 98%  
Lot #: E2427365  
SKU #: **S105314**  
Version: **0**  
Analysis #: **358294**  
Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
PH(20 °C, 0.05% in Water)	5.5-8.5	5.60
UV Absorbance 280nm(0.05 % in H <sub>2</sub> O)	0-0.04	0.03
UV Absorbance 260nm(0.05 % in H <sub>2</sub> O)	0-0.06	0.03
UV Absorbance 340nm(0.05 % in H <sub>2</sub> O)	0-0.02	0.02
UV Absorbance 225nm A(0.05 % in H <sub>2</sub> O)	0-0.08	0.01
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	102.45 %
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