

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-28 16:00:16

Date of Next Testing: 2027-04-27 16:00:16

Product Name: **Stearyl Trimethyl Ammonium Chloride**

CAS Number: 112-03-8

Specifications & Purity: 98%

Lot #: D23261126

SKU #: **S105314**

Analysis: **116007**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
PH(20 °C, 0.05% in Water)	5.5-8.5	6.72
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	101.21 %
UV Absorbance 280nm(0.05 % in H ₂ O)	0-0.04	0.01
UV Absorbance 260nm(0.05 % in H ₂ O)	0-0.06	0.02
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	0.03
Appearance (S105314)	White to Light Beige Powder or Crystals	White to Light Beige Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H ₂ O	almost transparency	almost transparency
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager