

Certificate of Analysis

Date of Testing: 2022-01-06 15:50:12
 Date of Next Testing: 2026-01-05 15:50:12
 Product Name: **Dodecyltrimethylammonium chloride**
 CAS Number: 112-00-5
 Specifications & Purity: for ion pair chromatography, ≥99%
 Lot #: A2205053
 SKU #: **D105297**
 Version: **0**
 Analysis #: **534532**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Free amine and amine salts	0-0.1 (%)	0.01 %
Water by Karl Fischer	0-0.5 (%)	0.27 %
Heavy metals	0-5 (ppm)	1.50 ppm
PH	6-8	6.95
UV Absorbance 254nm	0-0.04	0.01
UV Absorbance 230nm	0-0.07	0.01
Ignition Residue	0-0.1 (%)	0.00 %
Purity(Titration by AgNO ₃)	99-100.5 (%)	99.32 %
UV Absorbance 400nm	0-0.02	0.00
UV Absorbance 210nm	0-0.2	0.03
Appearance (D105297)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility(5%,w/v aq.Solution)	almost transparency	almost transparency
Ultraviolet absorption conditions	0.1M in water	0.1M in water



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager