

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-31 10:00:01  
Date of Next Testing: 2027-05-30 10:00:01  
Product Name: **Dodecyltrimethylammonium chloride**  
CAS Number: 112-00-5  
Specifications & Purity: 99%  
Lot #: E2325813  
SKU #: **D105295**  
**Analysis:** **221673**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
PH(5% in water)	4-7.5	4.47
Free amine (As DDA)	0-0.3 (%)	0.00%
Water by Karl Fischer	0-3 (%)	0.23%
Purity (Argentmetric Titration)	98.5-101.5 (%)	101.18 %
Appearance (D105295)	White to Light Yellow Powder or Solid or chunks	White to Light Yellow Powder or Solid or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless solution 0.5G/10MLwater	pass	Pass



John Su  
QA & QC Manager