

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-05-21 09:43:54  
Date of Next Testing: 2026-05-21 09:43:54  
Product Name: **Acetylcholine chloride**  
CAS Number: 60-31-1  
Specifications & Purity: 99%  
Lot #: D2429096  
SKU #: **A111014**  
Version: **1**  
Analysis #: **332108**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	149-153 (°C)	151.00000 °C
Purity(HPLC)	98-100 (%)	99.93600 %
Loss on drying	0-1 (%)	0.00 %
Purity(on anhydrous substance) (argentometric titration)	98.5-101.5 (%)	101.48 %
Appearance (A111014)	White to Faint Yellow Powder, Crystals or Granules	White to Faint Yellow Powder, Crystals or Granules
Solubility in H <sub>2</sub> O , Colorless to Light Yellow,Clear,100mg/ml	pass	Pass
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager