

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-11 18:25:03  
Date of Next Testing: 2028-05-10 18:25:03  
Product Name: **Acetylcholine chloride (ACh)**  
CAS Number: 60-31-1  
Specifications & Purity:  $\geq 99\%$   
Lot #: D2628148  
SKU #: **A111014**  
Version: **2**  
Analysis #: **694841**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Melting point	149-153 (°C)	151.36500 °C
Purity(on anhydrous substance) (argentometric titration)	98.5-101.5 (%)	100.05000 %
Purity(HPLC)	99-100 (%)	99.86800 %
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