

## Certificate of Analysis

Date of Testing: 2024-11-22 13:20:46  
Date of Next Testing: 2026-11-22 13:20:46  
Product Name: **Acetylcholine chloride**  
CAS Number: 60-31-1  
Specifications & Purity:  $\geq 99\%$   
Lot #: K2413154  
SKU #: **A111014**  
Version: **1**  
Analysis #: **440004**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	149-153 (°C)	152.30000 °C
Purity(on anhydrous substance) (argentometric titration)	98.5-101.5 (%)	99.90 %
Purity(HPLC)	99-100 (%)	99.10000 %
Loss on drying	0-1 (%)	0.10 %
Appearance (A111014)	White to Faint Yellow Powder, Crystals or Granules	White to Faint Yellow Powder, Crystals or Granules
Infrared spectrum	Conforms to Structure	Conforms to Structure
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



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