

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-01-17 16:05:49
Date of Next Testing: 2028-01-17 16:05:49
Product Name: **Acetylcholine chloride (ACh)**
CAS Number: 60-31-1
Specifications & Purity: $\geq 99\%$
Lot #: A2609143
SKU #: **A111014**
Version: **2**
Analysis #: **632696**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Purity(on anhydrous substance) (argentometric titration) | 98.5-101.5 (%) | 99.21% |
| Purity(HPLC) | 99-100 (%) | 99.94700% |
| Melting point | 149-153 (°C) | 149.04000 °C |
| Appearance (A111014) | White to Faint Yellow Powder, Crystals or Granules | White to Faint Yellow Powder, Crystals or Granules |
| Solubility in H ₂ 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