

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

| | |
|--------------------------|-------------------------------------|
| Date of Testing: | 2025-09-11 10:19:49 |
| Date of Next Testing: | 2027-09-11 10:19:49 |
| Product Name: | Acetylcholine chloride (ACh) |
| CAS Number: | 60-31-1 |
| Specifications & Purity: | ≥99% |
| Lot #: | I2502219 |
| SKU # | A111014 |
| Version | 2 |
| Analysis #: | 553154 |
| Storage Temperature: | Argon charged |

| Parameter | Limit Values | Result |
|--|---|---|
| Melting point | 149-153 (°C) | 151.57500 °C |
| Purity(on anhydrous substance) (argentometric titration) | 98.5-101.5 (%) | 101.09 % |
| Purity(HPLC) | 99-100 (%) | 99.88300 % |
| 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