

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-14 08:25:46  
Date of Next Testing: 2030-03-13 08:25:46  
Product Name: **Choline chloride**  
CAS Number: 67-48-1  
Specifications & Purity:  $\geq 99\%$   
Lot #: C2604330  
SKU #: **C108898**  
Version: **1**  
Analysis #: **638769**  
Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Ammonia (NH <sub>4</sub> )	0-0.01 (%)	0.01000 %
Loss on drying	0-1 (%)	1.00000 %
Heavy metal (as Pb)	0-0.001 (%)	0.00100 %
Purity(Titration by AgNO <sub>3</sub> )	98.5-101.5 (%)	100.63500 %
Appearance (C108898)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , 500 mg/ml in H <sub>2</sub> O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager