

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-29 18:41:51
 Date of Next Testing: 2029-05-28 18:41:51
 Product Name: **Choline chloride**
 CAS Number: 67-48-1
 Specifications & Purity: $\geq 99\%$
 Lot #: E2513217
 SKU #: **C108898**
 Version: **1**
 Analysis #: **500942**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Ammonia (NH ₄)	0-0.01 (%)	0.00236 %
Loss on drying	0-1 (%)	0.25100 %
Heavy metal (as Pb)	0-0.001 (%)	0.00000 %
Purity (Titration by AgNO ₃)	98.5-101.5 (%)	99.84000 %
Appearance (C108898)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O, 500 mg/ml in H ₂ O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager