

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-03 16:58:08

Date of Next Testing: 2026-12-02 16:58:08

Product Name: **Choline chloride**

CAS Number: 67-48-1

Specifications & Purity: 99%

Lot #: L2201772

SKU #: **C108898****Analysis:** **154047**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Ammonia (NH ₄)	0-0.01 (%)	0.00 %
Loss on drying	0-1 (%)	0.34 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Purity(Titration by AgNO ₃)	98.5-101.5 (%)	100.92 %
Melting point	302-310 (°C)	309.35000 °C
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

John Su
QA & QC Manager