

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-14 08:26:42

Date of Next Testing: 2030-03-13 08:26:42

Product Name: **Choline chloride**

CAS Number: 67-48-1

Specifications & Purity: $\geq 99\%$

Lot #: C2604331

SKU #: **C108898**

Version: **1**

Analysis #: **638769**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Ammonia (NH ₄)	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 ₃)	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 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