

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-21 13:20:41
 Date of Next Testing: 2029-11-20 13:20:41
 Product Name: **Choline chloride**
 CAS Number: 67-48-1
 Specifications & Purity: for cell culture, for insect cell culture, ≥99%
 Lot #: K2512120
 SKU #: **C108897**
 Version: **0**
 Analysis #: **472866**
 Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.16420 %
Melting point	302-310 (°C)	305.35000 °C
Purity(Titration by AgNO ₃)	99-100 (%)	100.00000 %
Appearance (C108897)	White Powder, Crystals or Chunks	White Powder, Crystals or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , 200mg/4ML	pass	Pass
Cell Culture Test	pass	Pass
Insect cell culture test	pass	Pass



John Su
QA & QC Manager