

Certificate of Analysis

Date of Testing: 2022-12-02 14:30:45
Date of Next Testing: 2026-12-01 14:30:45
Product Name: **Choline chloride**
CAS Number: 67-48-1
Specifications & Purity: for cell culture , for insect cell culture , >99%
Lot #: K2229431
SKU #: **C108897**
Analysis: **118172**
Storage Temperature: Argon charged,Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO3)	99-100 (%)	99.49%
Water by Karl Fischer	0-0.5 (%)	0.40%
Melting point	302-310 (°C)	308.57000 °C
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , 200mg/4ML	pass	Pass
Appearance (C108897)	White Powder, Crystals or Chunks	White Powder, Crystals or Chunks
Cell Culture Test	pass	Pass
Insect cell culture test	pass	Pass



John Su
QA & QC Manager