

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

### Certificate of Analysis

Date of Testing: 2025-11-28 14:48:50  
Date of Next Testing: 2029-11-27 14:48:50  
Product Name: **Choline chloride**  
CAS Number: 67-48-1  
Specifications & Purity: Animal Free, Low Endotoxin, for cell culture, ≥99%  
Lot #: K2525409  
SKU #: **C656925**  
Version: **1**  
Analysis #: **609432**  
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.21 %
Endotoxin Level	0-1 (EU/mg)	0.01110 EU/mg
Assay(Titration by AgNO3)	99-101.5 (%)	101.19 %
Total Plate Count	0-1000(CFU/g)	500.00000 cfu/g
Appearance(C656925)	White Powder, Crystals or Chunks	White Powder, Crystals or Chunks
Solubility in H2O, 200mg/4ML	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager