

Certificate of Analysis

Date of Testing: 2024-09-28 09:38:33

Date of Next Testing: 2028-09-27 09:38:33

Product Name: **Choline chloride**

CAS Number: 67-48-1

Specifications & Purity: 99%

Lot #: I2423118

SKU # **C108898**

Version **1**

Analysis #: 406357

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Ammonia (NH ₄)	0-0.01 (%)	0.00 %
Loss on drying	0-1 (%)	0.00 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Purity(Titration by AgNO ₃)	98.5-101.5 (%)	99.16 %
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