

Certificate of Analysis

Date of Testing: 2023-06-15 16:49:17
Date of Next Testing: 2027-06-14 16:49:17
Product Name: **Choline chloride**
CAS Number: 67-48-1
Specifications & Purity: 99%
Lot #: F23061092
SKU #: **C108898**
Analysis: **217839**
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Ammonia (NH ₄)	0-0.01 (%)	0.01 %
Loss on drying	0-1 (%)	0.50 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Purity(Titration by AgNO ₃)	98.5-101.5 (%)	99.51 %
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