

Certificate of Analysis

Date of Testing: 2023-10-16 09:25:57

Date of Next Testing: 2027-10-15 09:25:57

Product Name: **Choline chloride**

CAS Number: 67-48-1

Specifications & Purity: 99%

Lot #: J2309712

SKU #: **C108898**

Analysis: **272985**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Ammonia (NH ₄)	0-0.01 (%)	0.01 %
Loss on drying	0-1 (%)	0.36 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Purity(Titration by AgNO ₃)	98.5-101.5 (%)	98.95 %
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



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QA & QC Manager