

Certificate of Analysis

Date of Testing: 2023-03-30 21:03:33
Date of Next Testing: 2027-03-29 21:03:33
Product Name: **Choline chloride**
CAS Number: 67-48-1
Specifications & Purity: 99%
Lot #: C2325164
SKU #: **C108898**
Analysis: **200191**
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Ammonia (NH ₄)	0-0.01 (%)	0.00 %
Loss on drying	0-1 (%)	0.47 %
Melting point	302-310 (°C)	308.54000 °C
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Purity(Titration by AgNO ₃)	98.5-101.5 (%)	100.59 %
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



John Su
QA & QC Manager