

Certificate of Analysis

Date of Testing: 2022-11-09 16:52:00
Date of Next Testing: 2026-11-08 16:52:00
Product Name: **Choline bitartrate**
CAS Number: 87-67-2
Specifications & Purity: 98% ,contains silicon dioxide as stabilizer
Lot #: K2207058
SKU #: **C113873**
Analysis: **153121**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	97.5-102.5 (%)	100.03 %
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	16.5-17.5 (°)	16.53°
Nitrogen by Elemental Analysis	5.2-5.8 (%)	5.21 %
Carbon by Elemental Analysis	42.1-43.1 (%)	42.11 %
Appearance (C113873)	white powder	White powder
Solubility in H ₂ O , slightly cloudy Clear 100 mg/ml	Pass	Pass



John Su
QA & QC Manager