

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-14 14:47:59

Date of Next Testing: 2029-08-13 14:47:59

Product Name: **Choline bitartrate**

CAS Number: 87-67-2

Specifications & Purity: ≥98%, contains silicon dioxide as stabilizer

Lot #: J2126450

SKU #: **C113873**

Version: **1**

Analysis #: **553887**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	97.5-102.5 (%)	100.00000 %
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	16.5-17.5 (°)	16.50000 °
Nitrogen by Elemental Analysis	5.2-5.8 (%)	5.20000 %
Carbon by Elemental Analysis	42.1-43.1 (%)	42.10000 %
Appearance (C113873)	white powder	White powder
Solubility in H ₂ O , slightly cloudy Clear 100 mg/ml	Pass	Pass



John Su
QA & QC Manager