

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-28 09:16:51

Date of Next Testing: 2029-11-27 09:16:51

Product Name: **Choline hydroxide solution**

CAS Number: 123-41-1

Specifications & Purity: 44 wt. % in H₂O

Lot #: K2519257

SKU #: **C166651**

Version: **0**

Analysis #: **448258**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	38-50 (%)	45.17000 %
Appearance (C166651)	Colorless to tan liquid	Colorless to tan liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager