

Certificate of Analysis

Date of Testing: 2023-03-14 19:22:00
Date of Next Testing: 2027-03-13 19:22:00
Product Name: **Choline hydroxide solution**
CAS Number: 123-41-1
Specifications & Purity: 44 wt. % in H₂O
Lot #: C23101149
SKU #: **C166651**
Analysis: 190343
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	38-50 (%)	45.47 %
Appearance (C166651)	Colorless to tan liquid	Colorless to tan liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager