

Certificate of Analysis

Bicin Cu 1002**Lot Number:** 2310H47**Product Number:** R0980000**Manufacture Date:** OCT 06, 2023**Expiration Date:** SEP 2024

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Hydroxide	1336-21-6	ACS
Ammonium Chloride	12125-02-9	ACS
[2,2'-Biquinoline]-4,4'-dicarboxylic Acid, Dipotassium Salt	63451-34-3	Purified

Test	Specification	Result
Appearance	Slightly yellow to tan liquid	Passed

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
R0980000-1A	1 L natural poly	12 months
R0980000-20E1	20 L Ropak™	12 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Sharon Travers (10/06/2023)

Operations Manager

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.