

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

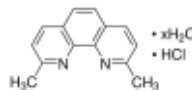
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Neocuproine hydrochloride hydrate - BioReagent, crystalline

Product Number: N1626
Batch Number: MKCD5208
Brand: SIGMA
CAS Number: 332360-00-6
MDL Number: MFCD00150062
Formula: C₁₄H₁₂N₂·HCl·xH₂O
Formula Weight: 244.72 g/mol
Quality Release Date: 14 JUL 2017
Recommended Retest Date: JUN 2020



Test	Specification	Result
Appearance (Color)	White to Yellow to Faint Brown	Faint Beige
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Yellow and Colorless to Green and Colorless to Green-Yellow	Very Faint Yellow
Solubility (Turbidity) 50 mg/mL, MeOH	Clear to Very Slightly Hazy	Clear
Infrared Spectrum	Conforms to Structure	Conforms
Water (by Karl Fischer) (4 mol/mol)	≤ 23 %	7 %
Suitability (Test) Suitable for determination of copper	Suitable	Suitable
Purity (TLC)	≥ 98 %	> 99 %
Carbon (anhydrous)	67.3 - 70.1 %	68.5 %
Nitrogen (anhydrous)	11.0 - 11.9 %	11.4 %
Recommended Retest Period 3 years	-----	-----

Michael Grady, Manager
 Quality Control
 Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.