

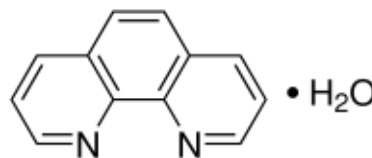
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Product Specification

Product Name:
1,10-Phenanthroline monohydrate - reagent grade

Product Number: P9375
CAS Number: 5144-89-8
MDL: MFCD00149973
Formula: C₁₂H₈N₂ · H₂O
Formula Weight: 198.22 g/mol



TEST	Specification
Appearance (Color)	White to Off White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Faint Yellow
Solubility (Turbidity)	Clear to Very Slightly Hazy
100 mg/mL, EtOH	
Carbon	71.2 - 74.2 %
Nitrogen	13.8 - 14.4 %
Water (by Karl Fischer)	≤ 11.1 %
(1.25 moles/mole)	
Suitability	Suitable
Suitable for use in the determination of Fe	
Recommended Retest Period	-----
2 years	

Specification: PRD.0.ZQ5.10000039059

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.