

# Specification

**Formula Hill:**  $C_{12}H_8N_2 \cdot H_2O$   
**Molar Mass:** 172,18 g/mol  
**CAS N°:** 5144-89-8

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110010 1,10-Phenanthroline monohydrate, ACS

## Specifications

Assay	≥ 99,0 %
Infrared Absorption	conforms
Appearance	
- White to cream-colored	conforms
- Powder	conforms
Insoluble matter in Ethanol	conforms
Melting range	90,0 - 93,0 °C
Solubility	conforms
Suitable as redox indicator	conforms
Suitable for determining Iron	conforms
Water by KF	8,5 - 11,0 %

Conforms to: ACS specification