



Specification

1,10-Phenanthroline Monohydrochloride Monohydrate

Catalog Number: PH1018
CAS Number: 3829-86-5
Synonym(s): o-Phenanthroline; 1,10-Phenanthroline hydrochloride 1 HY; Phenanthroline hydrochloride 1 HY
Molecular Formula: C₁₂H₈N₂*HCl*H₂O
Molecular Weight: 234.69

Test	Specification
Appearance:	White to light yellow to light purple powder
Loss on Drying:	8 – 10%
Melting Point:	224°C to 227°C
Assay:	97% minimum
Residue after ignition:	0.2% maximum
Solubility: 100 mg/ml, H ₂ O	Clear, colorless solution

Approved:

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