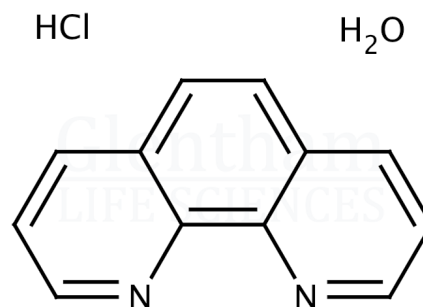


Certificate of Analysis

Product Name	1,10-Phenanthroline hydrochloride monohydrate
Glentham Code	GA0090
CAS Number	18851-33-7
EINECS	223-325-1
MDL Number	MFCD00150061
Additional CAS	3829-86-5
PubChem SID	310278692
Batch Number	062NWP

Molecular Weight	234.68
Molecular Formula	$C_{12}H_8N_2 \cdot HCl \cdot H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 062NWP
Physical Description	White to off-white crystalline powder or crystals	Off-white crystalline powder
Solubility (10% in water)	Clear to very faintly turbid, colourless to very faint yellow solution	Clear, colourless solution
Loss on Drying	≤ 8.0%	5.4%
Assay	≥ 99.0% ($C_{12}H_8N_2 \cdot HCl \cdot H_2O$)	99.9%

Specification Version	v1.1
Manufacture Date	2022-05-23
Re-Test Date	2030-05-19

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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