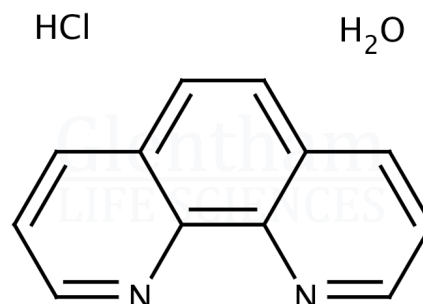


## Certificate of Analysis

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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