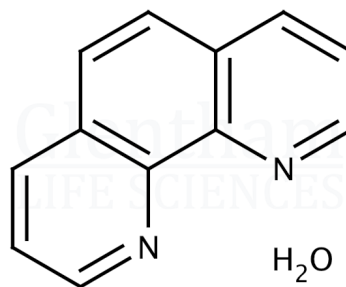


## Certificate of Analysis

Product Name	1,10-Phenanthroline monohydrate, ACS grade
Glenthams Code	GE7599
CAS Number	5144-89-8
EINECS	200-629-2
MDL Number	MFCD00149973
Additional CAS	66-71-7 (anhydrous)
Batch Number	483AMK
Molecular Weight	198.23
Molecular Formula	$C_{12}H_8N_2 \cdot H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 483AMK
Physical Description	White to almost white crystalline powder or crystals	Conforms
Solubility (10% in ethanol)	Clear and colourless solution	Conforms
Melting Point	$\geq 98.0^\circ C$	$114.0^\circ C$
Suitability as redox indicator	According to ACS	Conforms
Suitability for Iron Determination	According to ACS	Conforms
Assay (dried basis)	$\geq 99.0\%$	99.5%

Specification Version	v1.0
Manufacture Date	2022-10-01
Re-Test Date	2030-12-22

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glenthams.com](http://www.glenthams.com) or contact us using the details above for the current version of this document.

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