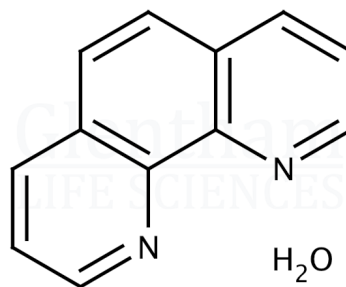


Certificate of Analysis

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 or contact us using the details above for the current version of this document.

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