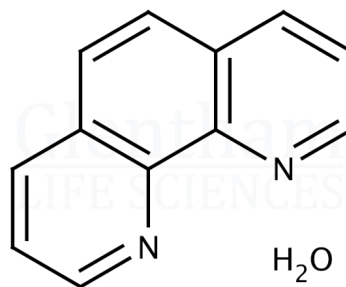


Certificate of Analysis

Product Name	1,10-Phenanthroline monohydrate, ACS grade
Glentham Code	GE7599
CAS Number	5144-89-8
EINECS	200-629-2
MDL-Nummer	MFCD00149973
Zusätzliche 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	Entspricht
Solubility (10% in ethanol)	Clear and colourless solution	Entspricht
Melting Point	$\geq 98.0^{\circ}\text{C}$	114.0°C
Suitability as redox indicator	According to ACS	Entspricht
Suitability for Iron Determination	According to ACS	Entspricht
Assay (dried basis)	$\geq 99.0\%$	99.5%

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

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025