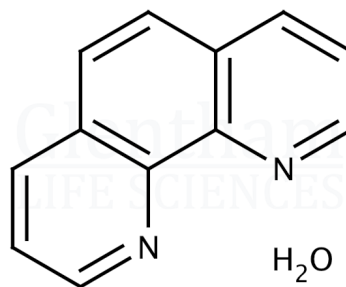


Certificate of Analysis

Product Name	1,10-Phenanthroline monohydrate
Glentham Code	GE7007
CAS Number	5144-89-8
EINECS	200-629-2
MDL Number	MFCD00149973
PubChem SID	310278693
Additional CAS	66-71-7 (anhydrous)
Batch Number	705JPB

Molecular Weight	198.23
Molecular Formula	$C_{12}H_8N_2 \cdot H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 705JPB
Physical Description	White to almost white crystalline powder or crystals	Almost white crystals
Identification (IR)	To conform to standard	Conforms
Solubility (10% in ethanol)	Clear to faintly turbid, colourless to faint yellow solution	Clear, colourless solution
Melting Point	98.0 - 104.0 °C (clear melt)	102.9°C
Water	8.5 - 10.5 %	9.6%
Assay (Titration)	≥ 99.0%	99.5%

Specification Version	v1.2
Manufacture Date	2023-05-20
Re-Test Date	2031-06-30

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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