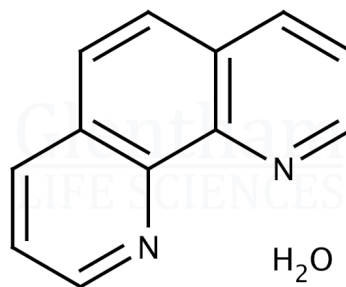


Certificate of Analysis

| | |
|--------------------|--|
| Product Name | 1,10-Phenanthroline monohydrate, ACS grade |
| Glenthams Code | GE7599 |
| CAS Number | 5144-89-8 |
| EINECS | 200-629-2 |
| Numéro MDL | MFCD00149973 |
| CAS supplémentaire | 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 | $\geq 98.0^\circ\text{C}$ | 114.0°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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