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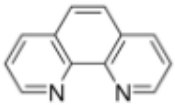
PureSynth®
Research Chemicals

# Product Specification

Product Name:
**1,10-Phenanthroline, ACS PurReagent, ≥99%**

| | |
|---|---|
| Product No.: | PSR43690 |
| Brand: | PureSynth |
| CAS No.: | 66-71-7 |
| Molecular Formula: | $C_{12}H_8N_2$ |
| Molecular Weight: | 180.21 g/mol |



| Test | Specification |
|---|---|
| Appearance | White to beige Solid |
| Turbidity (100 mg/ml in $H_2O$) | Clear |
| Assay (By HPLC) | ≥ 99.0 % |
| Calcium (Ca) | NMT 0.005 % |
| Sodium (Na) | NMT 0.005 % |
| Magnesium (Mg) | NMT 0.002 % |
| Nitrite ($NO_2$) | NMT 0.001 % |
| Iron (Fe) | NMT 3.0 ppm |
| Heavy metals (by ICP) | NMT 5.0 ppm |
| Identification by IR | Conforms to Structure |

Specification: PR-1.0-QA/213

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com