



CERTIFICATE OF ANALYSIS

PRODUCT NAME : 1,10-PHENANTHROLINE AR MONOHYDRATE
REDOX INDICATOR

CAS No : 5144- 89- 8
Mol. Formula : C₁₂H₈N₂.H₂O
Mol. WT : 198.23
Date of analysis : 13/09/21

Product code : 24640
Batch No. : MCR-24168
Mfd. : Sept. 2021
Exp. : Aug. 2026

S. R.	Test	Specification	Observation
1	Description	White to off white or beige crystals or needles or crystalline powder, becoming cream coloured on storage.	Off -white crystals.
2	Assay	99.5% min	99.64%
3	Water	8.8 – 9.5%	9.1%
4	Sensitivity as reagent for iron	1:10,000,000 min.	>1:10,000,000
5	Sensitivity as redox indicator	passes test	passes test
6	Melting point	100 -104 ⁰ C	102.6 ⁰ C
7	Sulphated ash	0.05% max	0.04%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

HEAD-QUALITY ASSUARANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

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