



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 : 12/02/23

Product code : 24640
Batch No. : MCR-27643
Mfd. : Feb. 2023
Exp. : Jan. 2028

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 needles.
2	Assay	99.5% min	99.74%
3	Water	8.8 – 9.5%	9.23%
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	101.8 ⁰ C
7	Sulphated ash	0.05% max	0.03%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

**CHEMIST
(Jyoti)**

[QC Incharge]

**HEAD-QUALITY ASSUARANCE
(G.G.Salian)**

Note: Computer generated image requires no sign.

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