



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 : 21/07/22

Product code : 24640
Batch No. : MCR-26149
Mfd. : July 2022
Exp. : June 2027

S. R.	Test	Specification	Observation
1	Description	White to off white or beige crystals or needles or crystalline powder, becoming cream coloured on storage.	White crystalline powder
2	Assay	99.5% min	99.54%
3	Water	8.8 – 9.5%	8.88%
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	101.2 ⁰ C
7	Sulphated ash	0.05% max	0.02%

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.

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA)
Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : info@molychem.net
Works: Plot No. B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,
Kulgaon, Badlapur (E), Dist.-Thane-421 503