



CERTIFICATE OF ANALYSIS

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

CAS No : 18851-33-7
Mol. Formula : $C_{12}H_9ClN_2 \cdot H_2O$
Mol. WT : 234.69
Date of analysis : 11/01/22

Product code : 24641
Batch No. : MCR-24825
Mfd. : Jan. 2022
Exp. : Dec. 2026

S. R.	Test	Specification	Observation
1	Description	White to off white or slightly pinkish white powder or crystals or crystalline powder, becoming cream coloured on storage.	Pinkish white powder.
2	Assay (acidimetric)	99.5% min	99.69%
3	Substance insoluble in water	passes test	passes test
4	Water	7.0 – 8.5%	8.35 %
5	Sulphated ash	0.2% max	0.03%
6	Suitability as indicator	passes test	passes test
7	Sensitivity test for iron (II)	passes test	passes test

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