

CERTIFICATE OF ANALYSIS

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

CAS No	: 18851-33-7	Product code	: 24641
Mol. Formula	: C ₁₂ H ₉ ClN ₂ .H ₂ O	Batch No.	: MCR-31041-01
Mol. WT	: 234.69	Mfd.	: June 2025
Date of analysis	: 27/06/25	Exp.	: May 2030

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.	Slightly pinkish white crystalline powder.
2	Assay (acidimetric)	99.5% min	99.58%
3	Substance insoluble in water	Passes test	Passes test
4	Water	7.0 – 8.5%	8.35%
5	Sulphated ash	0.2% max	0.12%
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]



**CHEMIST
(Shruti)**



[QC Incharge]



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

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