



CERTIFICATE OF ANALYSIS

Date: 23/04/18

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

CAS No : 5144- 89- 8
Mol. Formula : $C_{12}H_8N_2 \cdot H_2O$
Mol. WT : 198.23
Exp. : March 2023

Product code : 24640
Batch No : MCR-15999
Mfd. : April 2018

S. R.	Test	Specification	Observation
1	Assay	99.5% min	99.57%
2	Water	8.8 – 9.5%	9.01%
3	Sensitivity as reagent for iron	1:10,000,000 min.	>1:10,000,000
4	Sensitivity as redox indicator	passes test	passes test
5	Melting point	100 -104 ⁰ c	100.4 ⁰ c
6	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.

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