



CERTIFICATE OF ANALYSIS

Date: 12/09/12

PRODUCT NAME : 1,10-PHENANTHROLINE GR (MONOHYDRATE)

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

Product code : 24640
Batch No : MCR-5756
Mfd. : Sept. 2012

S. R	Test	Specification	Observation
1	Assay	99.5% w/w min	99.9% w/w
2	water	8.8 – 9.5 %	8.82%
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	105 ⁰ c
6	Sulphated ash	0.05% max	0.04%

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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