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PVT. LTD.**

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Certificate of Analysis

Product	65898 - 1,10-Phenanthroline Monohydrate extrapure AR, 99.5% - [5144-89-8]
Batch No	9494671
Analysis Date	18-Sep-2024
Date of Manufacture	September 2024
Expiry Date/Re-Test Date	September 2029
Molecular Formula	C ₁₂ H ₈ N ₂ .H ₂ O
Molecular Weight	198.22

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off - white	Off - white
Appearance (Form)	Crystalline powder / needle shape crystals	Needle shape crystals
Assay (NT)	min. 99.5%	99.7%
Melting Point	95 - 103°C	102.6°C
Sulphated Ash	max. 0.05%	0.02%
Sensitivity for Iron (Fe)	Passes test	Passes
Sensitivity as redox indicator	Passes test	Passes
Water	8.8 - 9.6%	8.9%

FRM/82/11/4/65898 Rev No. 3 Date 30/07/2022

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
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