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PVT. LTD.**

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Certificate of Analysis

Product

**81067 - 1,10-Phenanthroline Monohydrate extrapure
AR, ACS, ExiPlus, Multi-Compendial, 99.5% -
[5144-89-8]**

Batch No

7528102

Analysis Date

15-Dec-2022

Date of Manufacture

December 2022

Expiry Date/Re-Test Date

December 2027

Molecular Formula

C₁₂H₈N₂.H₂O

Molecular Weight

198.22

Test Parameters	Standards	Actual Results
ExiPlus	Meets compendial specs of USP	Passes
Appearance (Colour)	White to off white	White
Appearance (Form)	Crystalline powder / needle shape crystals	Needle shape crystals
Assay (NT)	min. 99.5%	99.6%
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%	9.3%

FRM/82/11/4/81067 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

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