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Certificate of Analysis

Product	28812 - Chloramphenicol (CFP) for tissue culture, 98-102% - [56-75-7]
Batch No	3377289
Analysis Date	11-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029
Molecular Formula	C ₁₁ H ₁₂ Cl ₂ N ₂ O ₅
Molecular Weight	323.1

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to pale yellow	Pale yellow
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution in Ethanol	Clear	Clear
Assay (UV)	98 - 102%	98.8%
Melting Point	149 - 153°C	150.2°C
Specific rotation [α]	+17.0° to +20.0° (C=6, Ethanol)	+18.471°
Sulphated Ash	max. 0.1%	0.02%
Loss on drying	max. 0.5%	0.2%
Chloride (Cl)	max. 0.01%	Passes
Acidity	max. 2 ml N%	1.2 ml N%
Suitability for Tissue Culture	Passes	Passes
Not for medicinal use		

FRM/82/11/4/28812 Rev No. 3 Date 16/10/2023

Prepared by **Mayur**

In compliance with the standard specifications of SRL

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

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