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Certificate of Analysis

Product	10263 - L-Tryptophan extrapure CHR, 99% - [73-22-3]
Batch No	2720406
Analysis Date	07-Feb-2024
Date of Manufacture	February 2024
Expiry Date/Re-Test Date	February 2029
Molecular Formula	C ₁₁ H ₁₂ N ₂ O ₂
Molecular Weight	204.23

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off-white	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Colour) 10% solution in 1M HCl	Clear	Clear
Assay (NT)	min 99%	99.3%
Specific rotation [α] @25°C	-33 to -30°, (C=1,water)	- 30.977°
Loss on drying	max 0.5%	0.1%
Sulphated Ash	max 0.1%	0.02%
Chloride (Cl)	max 0.01%	Passes
Sulphate (SO ₄)	max 0.01%	Passes
Iron (Fe)	max 0.001%	Passes
Heavy Metals (Pb)	max 0.001%	Passes
Ammonium (NH ₄)	max 0.01%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/10263 Rev No. 2 Date 17/12/2022

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

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

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