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Certificate of Analysis

Product	85081 - L-Phenylalanine extrapure CHR, 99% - [63-91-2]
Batch No	7761171
Analysis Date	20-Nov-2022
Date of Manufacture	November 2022
Expiry Date/Re-Test Date	November 2027
Molecular Formula	C9H11O2N
Molecular Weight	165.19

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off-white	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Assay	min. 99%	99.5%
Specific rotation [α]	- 35° to - 33° (C= 2 , water)	-35°
Loss on drying	max. 0.5%	0.03%
Sulphated Ash	max. 0.1%	0.06%
Chloride (Cl)	max. 0.01%	Passes
Sulphate (SO4)	max. 0.01%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Ammonium (NH4)	max. 0.01%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/85081 Rev No. 2 Date 12/03/2019

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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