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## Certificate of Analysis

<b>Product</b>	<b>85081 - L-Phenylalanine extrapure CHR, 99% - [63-91-2]</b>
<b>Batch No</b>	<b>9487817</b>
<b>Analysis Date</b>	18-Jan-2024
<b>Date of Manufacture</b>	January 2024
<b>Expiry Date/Re-Test Date</b>	January 2029
<b>Molecular Formula</b>	C9H11O2N
<b>Molecular Weight</b>	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%	99.7%
Specific rotation [ $\alpha$ ]	- 35° to - 33° (C= 2 , water)	- 32.950°
Loss on drying	max. 0.5%	0.2%
Sulphated Ash	max. 0.1%	0.05%
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 **Prajakta**

In compliance with the standard specifications of SRL

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

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