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PVT. LTD.**

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Certificate of Analysis

Product 40170 - L-Phenylalanine ExiPlus, Multi-Compendial, 99%
- [63-91-2]
Batch No 5994809
Analysis Date 18-Jan-2024
Date of Manufacture January 2024
Expiry Date/Re-Test Date January 2029
Molecular Formula C₉H₁₁NO₂
Molecular Weight 165.19

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP	Passes
Appearance (Colour)	White to off-white	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Assay (NT)	min. 99%	99.7%
Specific rotation [α]	- 35° to - 33° (C= 2 , water)	- 34.950°
Loss on drying	max. 0.5%	0.2%
Sulphated Ash	max. 0.1%	0.05%
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/82/11/4/40170 Rev No. 3 Date 05/07/2022

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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