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## Certificate of Analysis

<b>Product</b>	<b>18376 - L-Glutamic Acid ExiPlus, Multi-Compendial, 99% - [56-86-0]</b>
<b>Batch No</b>	<b>4904154</b>
<b>Analysis Date</b>	02-Jul-2024
<b>Date of Manufacture</b>	July 2024
<b>Expiry Date/Re-Test Date</b>	July 2029
<b>Molecular Formula</b>	C5H9NO4
<b>Molecular Weight</b>	147.13

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP	Passes
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless	Colourless
Assay (NT)	min. 99%	99.4%
Specific rotation $[\alpha]$	+29° to +33° (C=2 , 5N HCl)	+31.9°
Loss on drying	max. 0.5%	0.04%
Sulphated Ash	max. 0.1%	0.03%
Chloride (Cl)	max. 0.02%	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/82/11/4/18376 Rev No. 3 Date 03/07/2022

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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