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## Certificate of Analysis

<b>Product</b>	<b>23229 - L-Glutamic Acid Monosodium Salt Monohydrate (MSG) extrapure, 99% - [6106-04-3]</b>
<b>Batch No</b>	<b>7669706</b>
<b>Analysis Date</b>	15-Apr-2024
<b>Date of Manufacture</b>	April 2024
<b>Expiry Date/Re-Test Date</b>	April 2029
<b>Molecular Formula</b>	C5H8NO4Na.H2O
<b>Molecular Weight</b>	187.14

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Needle shape compound / Crystalline powder	Needle shape compound
Solubility (Turbidity) 10% solution 5N HCl	Clear	Clear
Solubility (Colour) 10% solution 5N HCl	Colourless	Colourless
Assay (NT)	min. 99%	99.3%
Specific rotation $[\alpha]$	+23° to +25° (C=2, 5N HCl) @25°C	+24.377°
Chloride (Cl)	max. 0.1%	Passes
Sulphate (SO4)	max. 0.01%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/23229 Rev No. 3 Date 11/07/2022

Prepared by Priti

In compliance with the standard specifications of SRL

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

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