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## Certificate of Analysis

<b>Product</b>	<b>54322 - D-Methionine extrapure, 99% - [348-67-4]</b>
<b>Batch No</b>	<b>5407450</b>
<b>Analysis Date</b>	13-Dec-2022
<b>Date of Manufacture</b>	December 2022
<b>Expiry Date/Re-Test Date</b>	December 2027
<b>Molecular Formula</b>	C5H11NO2S
<b>Molecular Weight</b>	149.21

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off - white having yellow tinge	Off - white having yellow tinge
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Assay (NT)	min. 99%	99.2%
Loss on drying	max. 0.3%	0.04%
Sulphated Ash	max. 0.1%	0.03%
Specific rotation $[\alpha]$	-23.5° to -24.5° (C=5, 5N HCl)	-24.418°
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/54322 Rev No. 5 Date 13/12/2022

Prepared by Komal

In compliance with the standard specifications of SRL

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

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