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Certificate of Analysis

Product	42125 - L-Methionine for cell culture, 99%, Endotoxin (BET) 0.05EU/mg - [63-68-3]
Batch No	5251400
Analysis Date	21-Feb-2022
Date of Manufacture	February 2022
Expiry Date/Re-Test Date	February 2027
Molecular Formula	C5H11NO2S
Molecular Weight	149.21

Test Parameters	Standards	Actual Results
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	min. 99%	99.4%
Specific rotation $[\alpha]$	+22° to +25° (C=5, 5N HCl)	+24°
Loss on drying	max. 0.5%	0.1%
Sulphated Ash	max. 0.1%	0.08%
Chloride (Cl)	max. 0.02%	Passes
Sulphate (SO ₄)	max. 0.02%	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	Passes
Suitability for Cell Culture	Passes	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	<0.05 EU/mg	Passes

FRM/82/11/4/42125 Rev No. 1 Date 21/03/2022

Prepared by PPatil

In compliance with the standard specifications of SRL

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

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