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Certificate of Analysis

Product	80149 - L-Tyrosine for cell culture, 99%, Endotoxin (BET) 1EU/mg - [60-18-4]
Batch No	6079638
Analysis Date	26-Feb-2024
Date of Manufacture	February 2024
Expiry Date/Re-Test Date	February 2029
Molecular Formula	C ₉ H ₁₁ NO ₃
Molecular Weight	181.19

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off white	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 5% solution in 2N HCl	Clear	Clear
Assay (NT)	min. 99%	99.2%
Specific rotation [α]	-12° to -10° (C=4, N HCl)	-10.6°
Loss on drying	max. 0.5%	0.03%
Sulphated Ash	max. 0.1%	0.07%
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
Suitability for Cell Culture	Passes test	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	< 1 EU/mg	Passes

FRM/82/11/4/80149 Rev No. 3 Date 27/08/2022

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

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

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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