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Certificate of Analysis

Product	12695 - Tris Buffer for cell culture, 99.9% - [77-86-1]
Batch No	1662217
Analysis Date	10-Jan-2022
Date of Manufacture	January 2022
Expiry Date/Re-Test Date	January 2027
Molecular Formula	C4H11NO3
Molecular Weight	121.14

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (On dry basis)	min. 99.9%	99.9 %
Melting Point	169 - 171°C	170°C
pH (10% aq. solution)	10.5 - 11.0	10.8
Loss on drying	max. 0.5%	0.3%
Sulphated Ash	max. 0.05%	0.008%
Insoluble matter	max. 0.005%	Passes
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO4)	max. 0.005%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0002%	Passes
Copper (Cu)	max. 0.0001%	Passes
Arsenic (As)	max. 0.0001%	Passes
Absorbance (A) of 40% aq. solution in a 1cm cell v/s H2O		
@290nm	max. 0.2	0.038
Suitability for Cell Culture	Passes test	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	< 0.05 EU/mg	Passes

FRM/82/11/4/12695 Rev No. 2 Date 21/08/2021

Prepared by PPatil

In compliance with the standard specifications of SRL

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

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