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Certificate of Analysis

Product	39149 - HEPES Buffer for cell culture, 99.5%, Endotoxin (BET) 0.05EU/mg - [7365-45-9]
Batch No	9986905
Analysis Date	18-Feb-2024
Date of Manufacture	February 2024
Expiry Date/Re-Test Date	February 2029
Molecular Formula	C8H18N2O4S
Molecular Weight	238.30

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 (T)	min. 99.5%	99.6%
pH (5% aq. solution)	5.0 - 6.5	5.5
Loss on drying	max. 0.5%	0.1%
Sulphated Ash	max. 0.1%	0.08%
Chloride (Cl)	max. 0.01%	Passes
Sulphate (SO4)	max. 0.01%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Phosphate (P)	max. 0.001%	Passes
Absorbance (A) of 10% aq. solution in a 1cm cell v/s H2O		
@250 nm	max. 0.1	0.03
Suitability for Cell Culture	Passes	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	< 0.05 EU/mg	Passes

FRM/82/11/4/39149 Rev No. 2 Date 28/12/2021

Prepared by Prasad

In compliance with the standard specifications of SRL

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

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