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Certificate of Analysis

Product 36884 - BES Buffer for cell culture, 99%, Endotoxin (BET) 0.05EU/mg - [10191-18-1]
Batch No 3764022
Analysis Date 28-Feb-2022
Date of Manufacture February 2022
Expiry Date/Re-Test Date February 2027

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	min. 99%	99.3%
pH (1M aq. solution)	2.5 - 5.0	2.7
Melting Point	150 - 155°C	151°C
Sulphated Ash	max. 0.1%	0.08%
Loss on drying	max. 0.5%	0.01%
Chloride (Cl)	max. 0.005%	Passes
Sulphate (SO ₄)	max. 0.01%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Absorbance (A) of 10% aq. solution in a 1cm cell v/s H ₂ O	.	
@250nm	max. 0.1	0.009
Smooth curve	230nm - 350nm	Passes
Suitability for Cell Culture	Passes test	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	<0.05 EU/mg	Passes

FRM/82/11/4/36884 Rev No. 1 Date 09/03/2022

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

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

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