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Certificate of Analysis

Product	34489 - BES Buffer extrapure, 99% - [10191-18-1]
Batch No	1474043
Analysis Date	11-Nov-2023
Date of Manufacture	November 2023
Expiry Date/Re-Test Date	November 2028
Molecular Formula	C6H15NO5S
Molecular Weight	213.26

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 (NaOH titration)	min. 99%	99.9%
pH (1M aq. solution)	2.5 - 5.0	2.54
Melting Point	150 - 155°C	155°C
Sulphated Ash	max. 0.1%	0.1%
Loss on drying	max. 0.5%	0.07%
Chloride (Cl)	max. 0.005%	Passes
Sulphate (SO4)	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 H2O	.	
@250nm	max. 0.1	0.008
Smooth curve	230nm - 350nm	Passes

FRM/82/11/4/34489 Rev No. 2 Date 22/12/2022

Prepared by **Mayur**

In compliance with the standard specifications of SRL

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

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