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Certificate of Analysis

Product	49159 - PIPES Buffer for molecular biology, 99% - [5625-37-6]
Batch No	1197713
Analysis Date	03-Jan-2022
Date of Manufacture	January 2022
Expiry Date/Re-Test Date	January 2027
Molecular Formula	C ₈ H ₁₈ N ₂ O ₆ S ₂
Molecular Weight	302.36

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Powder	Powder
Solubility (Turbidity) 5% solution in 1N NaOH	Clear	Clear
Solubility (Colour) 5% solution in 1N NaOH	Colourless	Colourless
Assay (T)	min. 99%	99.6%
pH (0.1% aq. solution)	2.5 - 3.0	2.8
Loss on drying	max. 0.5%	0.25%
Sulphated Ash	max. 0.1%	0.009%
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Absorbance (A) of 10% in 10% NaOH in a 1cm cell		
@250 nm	max. 0.2	0.2
Smooth curve	230nm - 350nm	Passes
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/49159 Rev No. 2 Date 24/03/2019

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

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

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