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Certificate of Analysis

Product 48112 - PIPES Buffer for tissue culture, 99% -
[5625-37-6]
Batch No 9915563
Analysis Date 25-Feb-2024
Date of Manufacture February 2024
Expiry Date/Re-Test Date February 2029
Molecular Formula C8H18N2O6S2
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%	99.3%
pH (0.1% aq. solution)	2.5 - 3.0	2.9
Loss on drying	max. 0.5%	0.4%
Sulphated Ash	max. 0.1%	0.05%
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	0.181
Smooth curve	230 - 350 nm	Passes
Suitability for Tissue Culture	Passes test	Passes

FRM/82/11/4/48112 Rev No. 1 Date 04/03/2019

Prepared by Prasad

In compliance with the standard specifications of SRL

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

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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