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Certificate of Analysis

Product	22311 - Boric Acid for molecular biology, 99.5% - [10043-35-3]
Batch No	7831787
Analysis Date	01-Oct-2022
Date of Manufacture	October 2022
Expiry Date/Re-Test Date	October 2027
Molecular Formula	H3BO3
Molecular Weight	61.83

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% hot aq. solution	Clear	Clear
Solubility (Colour) 10% hot aq. solution	Colourless	Colourless
Assay (T)	min. 99.5%	99.7%
pH (4% aq. solution)	3.8 - 4.8	3.8
Chloride (Cl)	max. 0.0002%	Passes
Sulphate (SO4)	max. 0.001%	Passes
Iron (Fe)	max. 0.0002%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Absorbance (A) of 0.5M aq. solution in a 1cm cell v/s H2O		
@260nm	max. 0.015	0.010
@280nm	max. 0.010	0.008
DNase, RNase, Protease	Not Detected	Not Detected

FRM/82/11/4/22311 Rev No. 4 Date 28/09/2022

Prepared by Dhanashree

In compliance with the standard specifications of SRL

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

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