



BIO-CHEM CHEMICALS

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CERTIFICATE OF ANALYSIS

Product Name	BORIC ACID 99.5% MOLECULAR BIOLOGY
Cas No.	10043-35-3
Code No.	B-00455
Batch No.	BC01251317
Mfg.Date	JAN-2025
Date of Analysis	30/01/2025
Retest Date	DEC-2030

TEST	SPECIFICATION	RESULT
Appearance	White powder / crystals / crystalline powder	White crystalline powder
Assay (acidimetric)	Min 99.5%	99.95%
DNases (exo and endonucleases)	None detected	None detected
Insoluble matter	Passes filter test	Passes test
Non volatile substances in MeOH/HCl	Max 0.05%	0.042%
Phosphatase	None detected	None detected
RNases	None detected	None detected
Loss on drying (at 120°C)	Max 0.5%	0.21 %
Solubility (1 M in water)	Complete, colourless	Complete, colourless
pH (saturated solution in water)	3.6 - 4.6	4.10
Chloride (Cl)	Max 0.0005%	0.00039%
Phosphate (PO4)	Max 0.00005%	0.00049%
Sulphate (SO4)	Max 0.0005%	0.00039%

Heavy metal (as Pb)	Max 0.0005%	0.000035%
Arsenic (As)	Max 0.00005%	< 0.00005
Sodium (Na)	Max 0.005%	0.0027
UV absorbance 1 M in water		
Wavelength	Max. Absorbance	
260 nm	0.015	0.11
280 nm	0.10	0.10

REMARK: This product complies as per the specifications of **BIO-CHEM CHEMICALS**.

This is an electronically generated certificate and is valid without a signature.

For Issues relating to quality you may send us a mail on **info@biofinechemical.com** or call on **+91-7404210730** Website- **www.biofinechemical.com**