

CERTIFICATE OF ANALYSIS

Product Name	BORIC ACID (POWDER) 99.5% EXTRAPURE		
CAS No.	10043-35-3	Code No.	00452
Batch No.	CS08231189	Date of Analysis	08/08/2023
Mfg. Date	Aug-2023	Mol.Weight (g/mol)	61.83
Expiry Date	July-2028	Mol. Formula	H3BO3

Sr.	TESTS	SPECIFICATIONS	RESULTS
1	Appearance	White powder	White powder
2	Assay (alkalimetric; on dried basis)	99.5 - 100.5%	100.34%
3	Identification	To comply IP, BP, USP tests	Complies
4	Solubility	Soluble in water and in ethanol (96 per cent), freely soluble in boiling water and in glycerol (85 per cent)	Complies
5	Appearance of solution	To comply IP, BP, USP	Complies
6	Substance insoluble in alcohol	To comply IP, BP, USP test	Complies
7	pH (3.3% solution in water)	3.8 - 4.8	4.20
8	Sulphate (SO ₄)	Max 0.045%	0.025%
9	Heavy metal (as Pb)	max 0.0015%	0.0002%
10	Arsenic (As)	max 0.001%	0.0004%
11	Organic impurities	To comply BP test	Complies
12	Loss on drying (5hrs; over silica gel)	Max 0.5%	0.11%

Remark: This product complies as per the specifications of Chemnovo.

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

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CSPL/QC/F/04