boric acid

cas 10043-35-3

B0244NN	Gold Line
powder	
Typical analysis	
Assay	99%
Arsenic (As)	0,0005%
Chloride (Cl)	0.01%
Iron (Fe)	0.05%
Lead (Pb)	0.005%
Loss on drying	0.5%
Sulphate (SO_4)	0.01%

Packaging
500g white plastic jar
5kg white plastic bucket

B0245NN	Platinum Line
powder	
Warranty certificate	
Assay (Acidimetric)	99.5 - 100.5%
Arsenic (As)	0.0005%
Calcium (Ca)	0.005%
Chloride (Cl)	0.005%
Iron (Fe)	0.01%
Lead (Pb)	0.001%
Loss on drying	0.5%
Phosphate (PO_4)	0.001%
Sulphate (SO_4)	0.04%

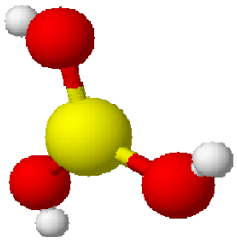
Packaging
500g white plastic jar

B0247NN	Gold Line
crystals	
Typical analysis	
Assay	99%
Arsenic (As)	0.0005%
Chloride (Cl)	0.01%
Lead (Pb)	0.002%
Sulphate (SO_4)	0.1%

Packaging
500g white plastic jar

B0248NN	Platinum Line
crystals	
Warranty certificate	
Assay	min 99.5%
Arsenic (As)	0.0001%
Calcium (Ca)	0.005%
Chloride (Cl)	0.0015%
Iron (Fe)	0.002%
Lead (Pb)	0.001%
Phosphate (PO_4)	0.001%
Sulphate (SO_4)	0.05%

Packaging
500g white plastic jar



Physical properties, composition and data

Chemical formula	H_3BO_3 or BH_3O_3
Synonym	Boracic acid; Orthoboric acid
Chemical group	Borates
Occurrence in nature	In the mineral sassolite
Atomic weight	61.83
Appearance	White colourless powder or crystals
Solubility	Soluble in boiling ethanol and glycerol and water (50g/l at 21°C)
Melting point	185°C
Density (g/ml)	1.435
pH (aqueous solution)	3.8 - 4.8
Incompatible substances	Alkali carbonates and hydroxide

Laboratory preparation, applications and practices

Laboratory preparation	By adding hydrochloric acid or sulphuric acid to a solution of borax and crystallizing
Usage	Analytical reagent

Storage and handling information

Storage	Store separated from incompatible substances
Disposal methods	1
Caution	Toxic by ingestion

Transport regulations

Tariff code	2810.00.00
ECB number	233-139-2