



Sodio borato tetraborato EP

Chemical name	Sodium Tetraborate Decahydrate	Formula	Na ₂ B ₄ O ₇ ·10H ₂ O	Formula Weight	381.37
CAS	1303-96-4	EINECS	215-540-4	Custom tariff	28401990

Product Specification Guaranteed	Characteristics	Units	Specification Value	
			min	max
	Appearance		Granular Crystals	
	Colour		White	
	Assay (Na ₂ B ₄ O ₇ ·10H ₂ O)	%	99.9	105.0
	Boron Trioxide (B ₂ O ₃)	%	36.47	38.34
	Sodium Oxide (Na ₂ O)	%	16.18	17.01
	Crystallization Water (H ₂ O)	%	44.65	47.35
	Sulphates (SO ₄)	ppm		10.0
	Chlorides (Cl)	ppm		5.0
	Iron (Fe)	ppm		5.0

Typical Chemical-Physical Characteristics	Characteristics	Units	Value
	Specific gravity (at 20 °C)	g/cm ³	1.73

Solubility in water

Temp °C	0	10	15	20	25	30	40	50	55	60	70	80	90	100
g Na ₂ B ₄ O ₇ ·10H ₂ O / 100 g water	2.29	3.45	4.19	5.14	6.31	7.87	12.84	22.05	30.23	46.10	58.59	79.60	116.30	191.10
g Na ₂ B ₄ O ₇ ·10H ₂ O / 100 g saturated solution	2.24	3.34	4.02	4.89	5.93	7.30	11.38	18.10	23.21	31.56	36.94	44.32	53.78	65.65

pH at 20 °C

g Na ₂ B ₄ O ₇ ·10H ₂ O / 100 g solution	0.1	0.5	1.00	2.00	3.00	4.89	(Saturated solution at 20 °C)
pH	9.26	9.23	9.24	9.24	9.24	9.32	

Applications Used in the pharmaceutical and cosmetic industry as buffering agent and for its bacteriostatic properties; as additive in manufacture of soaps and disinfectants; in every application in which a high purity boron salt is needed.

Packaging **Standard Packaging** 25 kg Bags; 150 kg Drums.

Shelf Life If correctly stored, the product is chemically and physically stable.
Store product in a dry, well ventilated warehouse.

Safety Data Please refer to material safety data sheets for any information regarding hazards identification or handling and storage of this product.