



PRODUCT SPECIFICATION

PRODUCT: Borax pentahydrate
CHEMICAL NAME: Sodium tetraborate pentahydrate
FORMULA: $\text{Na}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$
MOLECULAR WEIGHT: 291.29
DESCRIPTION: White, granular, crystalline solid
GRADES: Standard

Item	Typical Range	Minimum	Maximum
Pentahydrate Borax ($\text{Na}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$)	--	101.5 %	103.5 %
Anhydrous Borax ($\text{Na}_2\text{B}_4\text{O}_7$)	--	70.1 %	71.5 %
Boric Oxide (B_2O_3)	--	48.5 %	49.5 %
Sodium Oxide (Na_2O)	--	21.6 %	22.0 %
Water of Crystallization (H_2O)	--	21.6 %	29.9 %
Chloride (Cl)	100 - 600 ppm	--	600 ppm
Sulfate (as Na_2SO_4)	60 - 300 ppm	--	300 ppm
Iron (Fe)	1 - 15 ppm		15 ppm