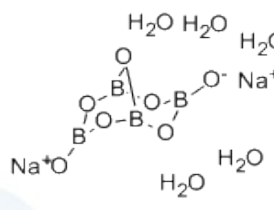


# BORAX PENTAHYDRATE



## General Information

Chemical Formula	$\text{Na}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$	
Synonym	Sodium tetraborate pentahydrate, Etibor 48	
Origin	USA	
H.S. Code	28402090	
CAS No.	12179-04-3	
Molecular Weight	291.35 g mol <sup>-1</sup>	

## Application

Agriculture	It is used in agriculture to increase efficiency and quality of yield.
Antifreeze	It is used as anti-freeze additive mixture to prevent corrosion in cooling systems of vehicles.
Construction	It is used in making buildings as earthquake-resistant, high strength and heat resistant. It also provides significant heat and sound insulation.
Flame Retardants	Flame retardants prevent inflaming and spreading of flame. Borates are used in different materials as flame retardant.
Glass	It is added to glass products where thermo-insulation is needed.
Insulating Fiberglass	It is applied to the wall and ceiling as using it in building insulation in construction sector.
Leather	It is used as a lime expectorant in leatherworking.

## Specification

Property	Units	Value
Appearance	-	White Crystalline Granule or Powder
Purity	%	99.90 (min)
B <sub>2</sub> O <sub>3</sub>	%	47.76 (min)
SO <sub>4</sub>	ppm	135 (max)
Cl	ppm	70 (max)
Fe	ppm	5 (max)
Na <sub>2</sub> O	%	21.25 (min)
Insoluble in Water	ppm	150 (max)
Melting Point	°C	741

## Packaging

- 25 kg, 50 kg, 1 ton (with or without pallet)

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