



High Purity Elements & Compounds

□ Boron

Boron, a very hard, lubricant black material with a high melting point of above 2300 °C, is an important material for making high pure 4N 5N 6N (99.99%, 99.999% and 99.9999%) halogenated boron with brownish color, a variety of boron compounds, and as additive in special alloy production. Furthermore, it finds more application in the field of electronics, medicine, ceramics, nuclear industry and chemical industry.



Boron

B

Atomic No.	5
Atomic Weight	10.82
Density	2.30gm/cc
Melting Point	2300 ° C
Boiling Point	2550° C
CAS No.	7740-42-8
H.S Code	2804.5000.90

No.	Item	Standard Specification			
1	Boron Purity	≥99.99%	≥99.999%	≥99.9999%	
2	Impurity PPM _{wt} Max Each	Ag/Au	0.30	0.10	0.05
		Fe	11.0	8.00	0.20
		Mg	0.01	0.90	0.05
		Pb	0.20	0.10	0.05
		Sn	0.30	1.00	0.10
		Ca	0.20	-	0.03
		Zn/Ni	0.20	-	0.05
		Mn	7.00	0.10	0.10
		Cu	0.10	0.03	0.05
		Sb	-	0.20	-
	Total	100	10	1.0	
3	Packing	1kg in polyethylene bottle, carton box outside			