



High Purity Elements & Compounds

□ Tin

Tin is silvery color metal. High purity tin of 99.999%, 99.9999% and 99.99999% (5N 6N 7N) is primarily used in the manufacturing of compound



semiconductor materials, high purity alloys, super-conducting materials, solder and as the dopant of Si and Ge single crystal.

Tin	Sn
Atomic No.	50
Atomic Weight	118.71
Density	7.31gm/cc
Melting Point	231.9° C
Boiling Point	2270° C
CAS No.	7440-31-5
H.S Code	8007.0090.00

No.	Item	Standard Specification				
1	Tin ≥%	99.999	99.999	99.9999	99.99999	
2	Impurity PPM _{wt} Max Each	Co	0.5	0.1	0.01	-
		Ag	1.0	0.5	0.01	0.001
		Cu	1.0	0.5	0.05	0.001
		Al	1.0	0.3	0.05	0.005
		Mg/Ni	1.0	0.5	0.05	0.005
		Pb	5.0	1.0	0.05	-
		Ca/Fe	1.0	0.5	0.05	0.010
		Zn	1.0	0.5	0.05	0.020
		Au	0.5	0.1	0.01	0.001
		As	1.0	1.0	-	-
		In/Si/S	-	0.2	-	-
		Bi	1.0	0.5	-	-
Sb	-	0.5				
	Total	10ppm	10ppm	1ppm	0.1ppm	
3	Size	450x120x34 mm (13kg)	① Bar 100x50x30/1kg or 0.5kg, 50x14x14/50g ② ≤6mm shot ③ 250x120x15mm/3.5kg bar			
4	Packing	Plywood case	1kg or 1pcs is in vacuumed sealed plastic bag			