



## High Purity Elements & Compounds

### □ Indium

**Indium** is soft, silvery-white, malleable and ductile metal. High purity indium bar/ ingot/button of 99.999%, 99.9999% and 99.99999% purity (5N 6N 7N) is primarily used in the manufacturing of III-V compound semiconductors, high purity alloys, transistor base and as the dopant of germanium and silicon mono-crystal.



Indium

**In**

Atomic No.	49
Atomic Weight	114.818
Density	7.31g/cc
Melting Point	156.61 ° C
Boiling Point	2080° C
CAS No.	7440-74-6
H.S Code	8112.9230.01

No.	Item	Standard Specification			
		99.999	99.9999	99.99999	
1	Indium ≥%	99.999	99.9999	99.99999	
2	Impurity PPM <sub>wt</sub> Max Each	Ag	0.5	-	0.002
		Cu	0.4	0.1	0.002
		As	0.5	-	0.002
		Al	0.5	-	-
		Mg	0.5	0.1	0.005
		Ni	0.5	0.1	0.005
		Pb	1.0	0.1	0.01
		Fe	0.5	0.1	0.01
		Sn	1.5	0.3	0.1
		Cd	0.5	0.05	0.005
		S	1.0	0.1	-
		Zn	0.5	-	0.02
	Si	1.0	0.1	-	
3	Size	500/1000g bar (107x30x22 or 20x15x60-70)		100/500g bar Button 6-8mm	
4	Packing.	In vacuum sealed plastic bag, carton box outside			