



High Purity Elements & Compounds

□ Arsenic

Arsenic is brittle, silver-grey metallic color crystalline or amorphous metalloid solid material. High purity arsenic of 99.999%, 99.9999% and 99.99999% (5N 6N 7N) is primarily used in the manufacturing of high purity alloys, III-V compound semiconductors such as Gallium Arsenide (GaAs) substrate, glass semiconductor, and as dopant of silicon and germanium single crystal growth.



Arsenic	As
Atomic No.	33
Atomic Weight	74.92
Density	5.72g/cc
Melting Point	613 ° C
Boiling Point	817° C
CAS No.	7440-38-2
H.S Code	2804.8000.00

No.	Item	Standard Specification			
1	Arsenic ≥%	99.999	99.9999	99.99999	
2	Impurity PPM _{we} Max Each	Mg	0.2	0.02	0.005
		Zn	0.5	0.02	0.005
		Ca	0.5	0.05	0.010
		Cu	0.5	0.01	0.002
		Cr	0.5	0.02	0.005
		Se	1.0	0.02	0.005
		Ni	0.1	0.02	0.005
		Pb	0.5	0.01	0.005
		Ag	0.1	0.01	0.005
		Al	0.5	0.02	0.005
		Fe	0.5	0.05	0.010
		Sb	0.5	0.02	0.005
		S	1.0	-	-
		Bi	0.5	0.02	0.005
Na	0.5	0.05	0.010		
B	-	-	0.010		
K	0.5	0.02	0.010		
3	Size	2-7mm, 2-10mm, 2-20mm, 3-25mm irregular lump			
4	Packing	1.5kg is in Schott glass bottle with vacuum plastic bag outside, then 9 bottles in one carton box.			