



High Purity Elements & Compounds

□ Selenium

Selenium is amorphous red color material, which is becoming black on standing and crystalline on heating, soluble in concentrated nitric acid and in common alkali, lower toxicity. High



purity selenium of 99.999 and 99.9999% (5N 6N) is primarily used in the preparation of compound semiconductor materials, selenium drum, photoconductive and photovoltaic material, electrostatic photograph, and other materials for optical devices and instruments.

Selenium

Se

Atomic No. 34
Atomic Weight 78.98
Density 4.79gm/cc
Melting Point 217 ° C
Boiling Point 684.9° C
CAS No. 7782-49-2
H.S Code 2804.9090.00

No.	Item	Standard Specification				
1	Selenium ≥%	99.99	99.999	99.999	99.9999	
2	Impurity PPM ^w _t Max Each	Ag	1.0	0.2	0.5	0.05
		Al	5.0	0.5	0.5	0.05
		Fe	10	0.5	0.5	0.05
		Mg	5.0	0.5	0.5	0.05
		Ni	2.0	0.2	0.5	0.05
		Pb	5.0	0.5	1.0	0.1
		Te	10	0.5	1.0	0.1
		Cu	2.0	0.2	1.0	0.1
		Cd	5.0	0.2	0.2	0.02
		Bi	5.0	0.5	0.2	0.02
		In	-	0.5	0.2	-
		Sb/Ca/Hg/Mn	5.0	-	-	-
	Total	100	10	10	1.0	
3	Size	-100mesh Atomized	-100mesh Atomized	1-5mm shot / 1-10mm lump		
4	Packing	1kg in polyethylene bottle, carton box outside				

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