



High Purity Elements & Compounds

□ Cadmium

Cadmium is silver white color material. High purity cadmium of 9.999%, 99.9999% and 99.99999% (5N 6N 7N), is primarily used in the manufacturing of II-VI compound semiconductor, high purity alloys, battery solder and control rod in the atomic reactor etc.



Cadmium	Cd
Atomic No.	48
Atomic Weight	112.41
Density	8.65gm/cc
Melting Point	320.9 ° C
Boiling Point	765.0° C
CAS No.	7440-43-9
H.S Code	8107.9000

No.	Item	Standard Specification			
1	Cadmium ≥%	99.999	99.9999	99.99999	
2	Impurity PPM _{wt} Max Each	Sb	0.5	0.005	-
		Zn	1.0	0.10	0.020
		Cu	0.1	0.01	0.005
		Ca	0.5	-	-
		Pb	1.0	0.10	0.005
		Fe	0.5	0.05	0.010
		Ag/Al/Ni	0.5	0.05	0.005
	Cr/Bi/Sn	0.5	0.05	0.005	
3	Size	① 5N/6N D<49mm or 150g/500g Bar, D40xL<65mm , 1-6mm Shot ② 7N Rod D(3-6)x L/0.5-1.0kg, D12xL(22-25)mm, D<35xL<125mm.			
4	Packing	500g, 1000g in composite aluminum foil bag			

◆ Cadmium Sheet

Cadmium Sheet, with purity of 99.99% 4N, is used as neutron radiation shielding material in the nuclear industry, which is rolled by special rolling mill and has excellent ductility property and extremely smooth surface.



No.	Item	Standard Specification			
1	Cadmium Sheet	CDS-4N ≥99.99%			
2	Impurity PCT _{wt} Max each	Sb	Cu	Pb	Zn/Fe/Ti/As/Sn
		0.0015	0.001	0.004	0.002
3	Size	260x220x2mm, 500x250x1mm			
4	Packing	Single piece is packed in plastic bag, 20kgs per carton box			

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