



Advanced Material & Metal Compounds

□ Cadmium

Cadmium, a shiny silver-white metal with melting point 320.9°C and boiling point 765°C, is of great malleability and oxidizing in moist air slowly. It is primarily used in the industries of alloys, electricity, electroplating, battery solder and can be made atomic reactors to absorb neutrons stick, manufacturing of II-VI compound semiconductor etc.



No.	Item	Standard Specification				
1	Cadmium	Purity	Impurities PCT Max each			
2	Chemical	Cd	Cu	Pb	Sb	Zn/Fe/As/Sn/Tl
		≥99.99%	0.003	0.004	0.0015	0.002
3	Size	15kgs±1kg Ingot or irregular lump				
4	Packing	In plywood case				

□ Selenium

Selenium, amorphous red color material, is becoming black on standing and crystalline on heating, soluble in concentrated nitric acid and in common alkali, lower toxicity. It is mainly used in the preparation of compound semiconductor materials, selenium drum, photoconductive and photovoltaic material, electrostatic photograph, and other materials for optical devices and instruments.



No.	Item	Standard Specification					
1	Selenium	Purity	Impurities PCT Max each				
2	Chemical	Se	Te	Cu	Sb	Pb/As	Hg/Fe
		≥99.9%	0.04	0.001	0.015	0.01	0.005
3	Size	Powder, Pellet, Granule, Grit, Ingot					
4	Packing	In plywood case					