



## High Purity Elements & Compounds

### □ Tellurium


**Tellurium** is odorless, silvery white color crystalline solid material. High purity tellurium of 99.999%, 99.9999% and 99.99999% ( 5N 6N 7N) is primarily used in the manufacturing of II-VI compound semiconductor materials, piezo-crystals, cooling elements, thermoelectric converting elements, infrared and  $\gamma$ -ray detectors etc.



Tellurium

**Te**

Atomic No.	52
Atomic Weight	127.6
Density	6.24gm/cc
Melting Point	449.5 ° C
Boiling Point	989.8 ° C
CAS No.	13494-80-9
H.S Code	2804.5000

No.	Item	Standard Specification			
1	Tellurium $\geq\%$	99.999	99.9999	99.99999	
2	 Impurity PPM <sub>wt</sub> Max Each	Al/Mg/Ni/Pb	0.1	0.01	0.005
		Ag/Cu	0.2	0.002	0.001
		Zn	-	0.1	0.02
		Ca	-	0.02	0.01
		Cd	0.2	0.01	0.01
		Fe	0.1	0.01	0.01
		Se	1.0	0.01	0.005
	Si	0.1	-	0.01	
3	Size	① irregular hemisphere cylinder chunk 500g/1000g ② 55x12xL mm ③ $\leq 10$ mm or $\geq 10$ mm irregular lump			
4	Packing	1kg in composite aluminum foil bag filled with argon gas			

### □ Tellurium Granule (Shot) / Powder

**Tellurium Granule (Shot) / Powder**, 99.9%, 99.99% and 99.999% (3N 4N 5N), silvery-white metallic luster, is soluble in nitric acid, potassium hydroxide, potassium cyanide solution, and insoluble in water and neutral solvent. These are mainly used for the producing of tellurium compounds, catalyst, chemical elements analysis and as additive for metallurgical smelting, and in the electronics industry.



No	Item	Standard Specification	
1	Te Power/Shot	Impurity PPM <sub>wt</sub> Max each	Size
2	3N $\geq 99.9\%$	Powder	Cu/Fe/S/Pb 40, Al/Si 30, Mg 20, Bi 15, As 10 -700 mesh
		Shot	Cu/Fe/S 50, Mg 20, Bi 15, As 10, Si/Al30, Pb 40 1.0-1.5/2.0-6.0mm
3	4N $\geq 99.99\%$	Powder	Mg/Pb/Ca/As/Bi/Sb/S 5, Al/Cu/Ni/ Fe/ Ti 1, Se 10 -80,-120,-300
		Shot	Cu/Si/S/ Al/Bi/Fe/Mg 10, Pb/Se 20 1.0-1.5/2.0-6.0mm
4	5N $\geq 99.999\%$	Powder	Ag/Cu/Cd 0.2, Al/Mg/Ni/Pb/Fe/Sn 0.10, Se 1.0 -200 mesh
		Shot	Ag/Cu/Cd 0.2, Al/Mg/Ni/Pb/Fe/Sn 0.10, Se 1.0 1.0-1.5/2.0-6.0mm
5	Packing	Powder :2kg in plastic bag/bottle, 20kgs carton box Granule: 2.5kgs in plastic bottle with vacuumed composite bag outside.	

✉ E2-1-1011 Global Center, No.1700  
Tianfu Avenue North, Chengdu 610041, China  
☎ Tel+28 8518 7251/7252/7253  
Fax+28 8518 4110