



## High Purity Elements & Compounds

### □ Tellurium Oxide

**Tellurium Oxide (Tellurium Dioxide)**, TeO<sub>2</sub>, with purity of 99.9%, 99.99% and 99.999% (3N 4N 5N), CAS No 7446-07-3, is white crystalline powder with melting point 733 °C and specific gravity 5.67g/cm<sup>3</sup>, practically insoluble in water. It is commonly used in the material for electronic elements, electroplating, anti-corrosive agent and tellurium dioxide crystal TeO<sub>2</sub> for acousto-optical devices features with high optical homogeneity, low light absorption and scattering.



No.	Item	Standard Specification			
1	Tellurium Oxide	≥ 99.9%	≥99.99%	≥99.999%	
2	Impurity PCT or PPM <sub>wt</sub> Max Each		PCT Max each	PPM Max each	
		Mg	0.001	5	0.5
		Pb	0.003	8	1.0
		Sb	0.003	5	1.0
		Al/Bi	0.003	5	0.5
		Pb	-	20	0.5
		Cu	0.003	10	0.5
		Ag	0.001	6	1.0
		Mg/Ni	0.001	5	0.5
		Zn	0.003	10	-
		Ca	0.005	10	1.0
		Fe	0.015	10	1.0
Cd	0.002	8	-		
Si/Se	0.002	5	0.5		
3	Size	-200, -325mesh			
4	Packing	2kgs in polyethylene bottle with sealed plastic bag out side			

### □ 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≥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≥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≥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.	

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