



## High Purity Elements & Compounds

### □ Zinc Telluride (ZnTe)

**Zinc Telluride**, 99.999% ( 5N) purity, CAS 1315-11-3, is of the appearance of grey or brownish-red powder or lump with melting point 1238.5°C and density 6.34g/cc. It is typically has cubic crystal structure, and can be used as semiconducting materials and devices including blue LEDs, laser diodes, solar cells, and components of microwave generators in optoelectronics field, and it is also a non-linear optical photorefractive material.



No.	Item	Standard Specification			
1	ZnTe ≥%	99.999			
2	Impurity PPM <sub>wt</sub> Max Each	Ag	Co	Cd/Pb/Sn	Mg/Cu/Ni/In/As/Al
		0.2	0.1	1.0	0.5
3	Size	1-10mm irregular lump, -100mesh powder			
4	Packing	1kg in polyethylene bottle, carton box outside			

### □ Copper-Indium-Gallium-Selenium

**Copper-Indium-Gallium-Selenium**, (CuInGaSe, CIGS or CIGSe ), with purity of 99.99% and 99.999% (4N 5N), silver-gray powder or lump, melting point 990°C, is for the production of solar cells, light emitting devices etc.

No.	Item	Standard Specification	
1	CIGS ≥%	4N 99.99	5N 99.9999
2	Impurity PPM <sub>wt</sub> Max each	Upon request	Upon request
		1-5mm irregular lump or -300mesh powder	
3	Size	1-5mm irregular lump or -300mesh powder	
4	Packing	In polyethylene bottle, 1kg each.	

### □ Cadmium Sulfide (CdS)

**Cadmium Sulfide**, or Cadmium Sulphide, CdS 99.999% ( 5N ) purity, CAS 1306-23-6, yellow orange powder or lump, melting point 1750°C, density 4.826g/cc, is for the production of solar cells, photoresistor, photocatalyst, fluorescent powder, and other photovoltaic elements and devices etc.



No.	Item	Standard Specification	
1	CdS ≥%	99.999	
2	Impurity PPM <sub>wt</sub> Max each	Cr/Sb/Ag	Mg/Fe/Ni/Cu/Al/Ca/Sn/Pb/Bi/Zn
		0.5	1
3	Size	≤15mm irregular lump or -60mesh powder	
4	Packing	In polyethylene bottle, 1kg each.	