



## High Purity Elements & Compounds

### □ Cadmium Zinc Telluride (CdZnTe or CZT) Poly

**Cadmium Zinc Telluride**, CdZnTe or CZT, is a compound of cadmium, zinc and tellurium 99.9999% or 99.99999% (6N 7N) purity. It is used in a variety of applications including photorefractive grating, electro-optic modulator, solar cell, terahertz generation and detection, and radiation detector. It can also be used as a substrate material for the epitaxial growth of infrared detector material-Mercury Cadmium Telluride.



No.	Item	Standard Specification	
1	Cadmium Zinc Telluride Cd <sub>1-x</sub> Zn <sub>x</sub> Te (CZT)	6N 99.9999%	7N 99.99999%
2	Size	D24, D32 and D74 or powder Poly CZT material	
3	Packing	Vacuumed composite aluminum bag	

### □ Cadmium Manganese Telluride (CdMnTe or CMT) Poly

**Cadmium Manganese Telluride**, CdMnTe or CMT, 99.999% 5N purity, (Cd<sub>0.8-0.9</sub>Mn<sub>0.1-0.2</sub>Te, Cd<sub>0.63</sub>Mn<sub>0.37</sub>Te or other atomic ratio Cd<sub>1-x</sub>Mn<sub>x</sub>Te), is a synthesized material of cadmium, manganese and tellurium. It is used for photovoltaic film cell, single CdMnTe growth and in electro-optic modulator, radiation detector, and other optical photorefractive material.



No.	Item	Standard Specification	
1	Cadmium Manganese Telluride Cd <sub>1-x</sub> Mn <sub>x</sub> Te (CMT)	5N 99.9999%	
2	Size	D32 and D50 or Powder Poly CMT material	
3	Packing	Vacuumed composite aluminum bag	