

# Cadmium Tungstate

## Alloys Powder

Cadmium tungstate ( $\text{CdWO}_4$  or CWO), the cadmium salt of tungstic acid, is a dense, chemically inert solid which is used as a scintillation crystal to detect gamma rays. Cadmium tungstate was used as a replacement of calcium tungstate in some fluoroscopes. Very high radiopurity allows use of this scintillator as a detector of rare nuclear processes (double beta decay, other rare alpha and beta decays) in low-background applications.

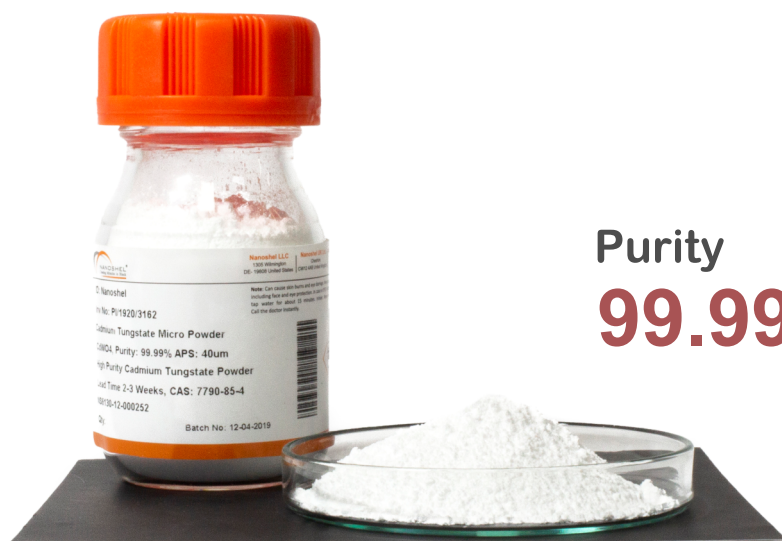
**Stock No:**

**NS6130-12-000252**

**Formula**

**$\text{CdWO}_4$**

- Used as medical imaging detectors
- X-ray scintillator in medical imaging, especially in computed tomography (CT), in conjunction with charge-coupled devices (CCDs),



**Purity**  
**99.99%**

**CAS** : 7790-85-4

**Density** : 7.9g/cm<sup>3</sup>

**Melting Point** : 1325°C

**APS:**  
**40μm**



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