

## Yellow Tungsten Oxide

**Description of Product** A finely divided, yellow crystalline powder. It is commonly used in manufacture of coarser tungsten carbide powders.



### Chemical Characteristics

(Mass fraction in % [cg/g]; ppm [ $\mu\text{g/g}$ ])

WO <sub>3</sub> (calculated)	min.	99.8 %
Al	max.	5 ppm
As	max.	5 ppm
Bi	max.	5 ppm
Ca	max.	5 ppm
Co	max.	5 ppm
Cd	max.	1 ppm
Cu	max.	5 ppm
Cl	max.	10 ppm
Cr	max.	5 ppm
Fe	max.	8 ppm
K	max.	10 ppm
Mo	max.	10 ppm
Mg	max.	5 ppm
Mn	max.	5 ppm
Na	max.	10 ppm
Ni	max.	5 ppm
Nb	max.	10 ppm
P	max.	5 ppm
Pb	max.	3 ppm
S	max.	7 ppm
Sn	max.	5 ppm
Sb	max.	3 ppm
Si	max.	10 ppm
Ta	max.	6 ppm
Ti	max.	5 ppm
V	max.	5 ppm

### Physical Characteristics

Fisher number	16 ÷ 23	$\mu\text{m}$
Apparent density	2.6 ÷ 3.0	$\text{g/cm}^3$
Specific surface	5 ÷ 8	$\text{m}^2/\text{g}$
Hall flow	25 ÷ 35	s
Porosity	0.5 ÷ 0.7	

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**TUNGSTEN COMPOUNDS**

Number: MTC-PDS-04  
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**Packaging**

1,000 kg of YTO packed in bottom discharge bag with three layers.  
Other kinds of packaging are available on request.

**Storage and Handling**

The user must observe all the relevant safety regulations in force in the country of use.