



TUNGSTEN COMPOUNDS

Number: MTC-QPP-FNS-FUS-04

Issued date: 23.08.2021

Revision no: 01

Revised date: 03.10.2024

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 [µg/g])

WO ₃ (calculated)	min. 99.8 %
Al	max. 5 ppm
As	max. 10 ppm
Bi	max. 5 ppm
Ca	max. 8 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. 5 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. 15 ppm

Physical Characteristics

Fisher number	16 ÷ 23	µm
Apparent density	2.6 ÷ 3.0	g/cm ³
Specific surface	5 ÷ 8	m ² /g
Hall flow	25 ÷ 35	s
Porosity	0.5 ÷ 0.7	

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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.