

Tungsten Chemicals

Number PD-1125  
Issue 3-26.02.2018



## TUNGSTEN YELLOW OXIDE

### Description of Product

Yellow powder, sometimes with a touch of green, for coating applications with electroluminescence and for the production of tungsten metal powders.

### Chemical Characteristics

(Mass fraction in % [cg/g]; ppm [µg/g])

WO <sub>3</sub> (calculated) <sup>2)</sup>	min.	99.7 %
Al	max.	5 ppm
As	max.	4 ppm
B	max.	3 ppm
C	max.	30 ppm
Cl	max.	10 ppm
F	max.	10 ppm
Fe	max.	5 ppm
Mo	max.	10 ppm
Na	max.	5 ppm
P	max.	10 ppm
S	max.	10 ppm
Si	max.	15 ppm
V	max.	5 ppm

### Physical Characteristics

#### Standard Grade

Apparent density	35 - 55 g/inch <sup>3</sup>
Fisher number (as supplied)	15 – 40 µm
Sieve analysis +250 µm	max. 1 %

#### Ultrafine Grade

Apparent density	15 - 25 g/inch <sup>3</sup>
Fisher number (as supplied)	max. 1.2 µm
Sieve analysis +250 µm	max. 1 %

1) Calculated as 100% - Loss on ignition (750°/1.5h)

### Packaging

**Standard Grade:** 1800 kg in FIBC (Big Bag) with liner.

**Ultrafine Grade:** 100 kg in 60 L steel drum with polyethylene bag.