

## Blue Tungsten Oxide

**Description of Product** A finely divided, blue powder. It is primarily used in production of tungsten metal powder, fine tungsten carbide as well as wire products.



X: 0.05 ÷ 0.27

### Chemical Characteristics

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

WO <sub>3</sub> (calculated)	min. 99.8 %
NH <sub>3</sub>	max. 1700 ppm
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
Cr	max. 5 ppm
Fe	max. 8 ppm
K	max. 7 ppm
Mo	max. 10 ppm
Mg	max. 5 ppm
Mn	max. 5 ppm
Na	max. 10 ppm
Ni	max. 5 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	15 ÷ 20	µm
Apparent density	2.3 ÷ 2.6	g/cm <sup>3</sup>
Specific surface	7 ÷ 11	m <sup>2</sup> /g
Hall flow	≤50	s
Porosity	0.55 ÷ 0.65	

### Packaging

1,000 kg of BTO 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.