



TUNGSTEN COMPOUNDS

Number: MTC-QPP-FNS-FUS-03

Issued date: 23.08.2021

Revision no: 01

Revised date: 03.10.2024

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 ₃ (calculated)	min. 99.8 %
NH ₃	max. 1700 ppm
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
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
P	max. 5 ppm
Pb	max. 5 ppm
S	max. 7 ppm
Sn	max. 10 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	10 ÷ 20 µm
Apparent density	2.3 ÷ 2.6 g/cm ³
Specific surface	7 ÷ 11 m ² /g
Hall flow	≤ 50 s
Porosity	0.55 ÷ 0.65

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- 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.