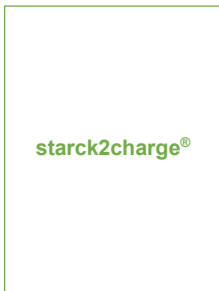


Tungsten Chemicals

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starck2charge[®] BTO

Description of Product

We develop and produce tungsten chemicals specifically for the battery sector, where they enhance performance capacity and safety and extend the life of lithium-ion batteries.

Chemical Characteristics

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

WO ₃ (calculated) ¹⁾	min. 99.7 %
Al	max. 5 ppm
Ca	max. 3 ppm
Co	max. 3 ppm
Cu	max. 1 ppm
Fe	max. 2 ppm
K	max. 1 ppm
Li	max. 1 ppm
Mg	max. 1 ppm
Mn	max. 1 ppm
Na	max. 3 ppm
Ni	max. 2 ppm
P	max. 4 ppm
Pb	max. 4 ppm
Si	max. 3 ppm
Sn	max. 4 ppm
Ti	max. 1 ppm
V	max. 3 ppm
Zr	max. 1 ppm

Physical Characteristics

Apparent density	35 – 55 g/inch ³
Fisher number (as supplied)	15 – 40 μ m
Sieve analysis +250 μ m	max. 1 %

¹⁾ Calculated as 100% - Loss of Ignition (750°/1.5h)

Packaging

150 kg in 60 L steel drum with polyethylene bag.