

Tungsten Chemicals

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starck2charge® APT

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 [µg/g])

WO ₃ (calculated) ¹⁾	min.	88.5	5%
Al	max.	3	ppm
Ca	max.	3	ppm
Co	max.	4	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.	2	ppm
Ni	max.	2	ppm
P	max.	7	ppm
Pb	max.	4	ppm
Si	max.	5	ppm
Sn	max.	3	ppm
Ti	max.	1	ppm
V	max.	1	ppm
Zr	max.	1	ppm

Physical Characteristics

Loss on ignition $(750^{\circ}\text{C/2.0h})$ max. 11.5% Apparent density $32 - 48 \text{ g/inch}^3$ Sieve analysis $+250~\mu\text{m}$ max. 1%

1) Calculated as 100% - Loss of Ignition

Packaging 10

1000 kg in FIBC (Big Bag) with liner.

125 kg in 60 L steel drum with polyethylene bag.