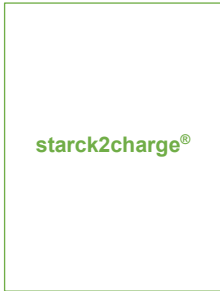


Tungsten Chemicals

Number PD-1130
Issue 1-05.04.2023



starck2charge[®] AMT

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⁾	91 – 92	%
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. 5	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°C/2.0h)	8.0 – 9.0	%
Sieve analysis +2 mm	max. 1	%

¹⁾ Calculated as 100% - Loss of Ignition

Packaging

1000 kg in FIBC (Big Bag) with liner.
125 kg in 60 L steel drum with polyethylene bag.