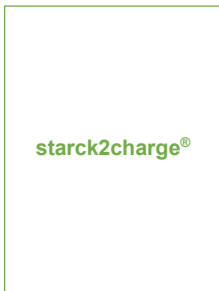


Tungsten Chemicals

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## starck2charge® Tungstic Acid

### 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 <sub>3</sub> (calculated) <sup>1)</sup>	92 – 94	%
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. 8	ppm
Sn	max. 4	ppm
Ti	max. 1	ppm
V	max. 3	ppm
Zr	max. 1	ppm

### Physical Characteristics

Apparent density	5 – 8	g/inch <sup>3</sup>
Fisher number (as supplied)	max. 0.8	µm
Sieve analysis	- 250 µm	100 %
	- 63 µm	99 %

<sup>1)</sup> Calculated as 100% - Loss on Ignition

### Packaging

50 kg in 80 L steel drum with polyethylene bag.  
480 kg in FIBC (Big Bag) with liner.