

TECHNICAL DATA SHEET

June 2018

TIMREX® SFG15
TIMCAL Graphite

General Characteristics

Formula: Carbon
Aspect: Fine black powder
CAS number: 7782-42-5

Standard Packaging

15 kg paper bags, 39 bags on one pallet (585 kg)

Guaranteed Values

Ash	0.1	% max
Moisture	0.5	% max
Crystallite Height	100	nm min
Interlayer Distance	0.3354-0.3358	nm
D90 (Laser Diffraction)	13.9-18.4	µm

Typical Values

Purity

Ash	0.07	%
Moisture	0.1	%
Al	15	ppm
As	<0.5	ppm
Ca	100	ppm
Co	<1	ppm
Cr	<1	ppm
Cu	<1	ppm
Fe	40	ppm
Mo	<1	ppm
Ni	5	ppm
Pb	<2	ppm
Sb	<0.1	ppm
Si	120	ppm
Ti	30	ppm
V	20	ppm
S	20	ppm

Crystallinity

Lc	>150	nm
c/2	0.3355	nm

Density

Scott	0.09	g/cm ³
Xylene	2.26	g/cm ³

Specific Surface Area

BET	9.5	m ² /g
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Particle Size Distribution

<u>Laser Diffraction</u>		
D10	3.4	µm
D50	8.4	µm
D90	16.3	µm