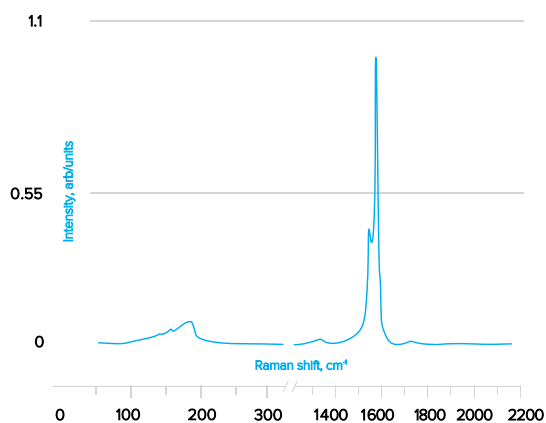


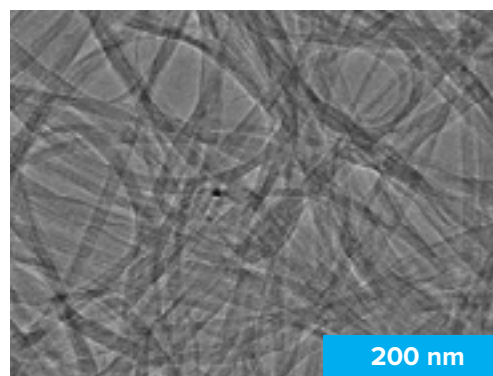
Specification	Unit of measure	Value	Method of evaluation
Appearance	-	Black powder	Visual inspection
SWCNT content*	wt.%	99 ± 0.5	OCSiAl internal method: ash residue
SWCNT length	µm	> 5	AFM
Specific surface area	m ² /g	800—1600	BET METHOD: ISO 9277:2010 (E)
SWCNT outer mean diameter	nm	1.6 ± 0.4	Optical absorption: ISO/TS 10868:2017 (E)
G/D ratio	unit	≥ 40	Raman (532 nm): NIST Special Publication 960-19
Metal impurities* Cr / Fe / Cu / Ni / Zn	ppm	< 350 / < 8000 / < 20 / < 350 / < 20	OCSiAl internal method: ICP-AES
Moisture	wt.%	< 5	OCSiAl internal method: infrared thermogravimetry

* Content in dry matter

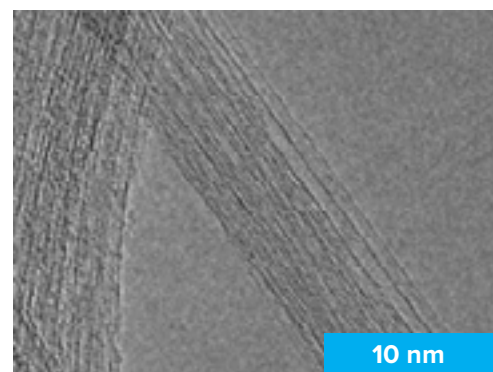
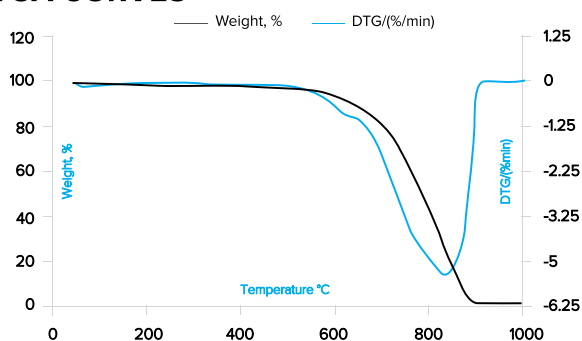
RAMAN SPECTRUM



TEM IMAGES



TGA CURVES



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