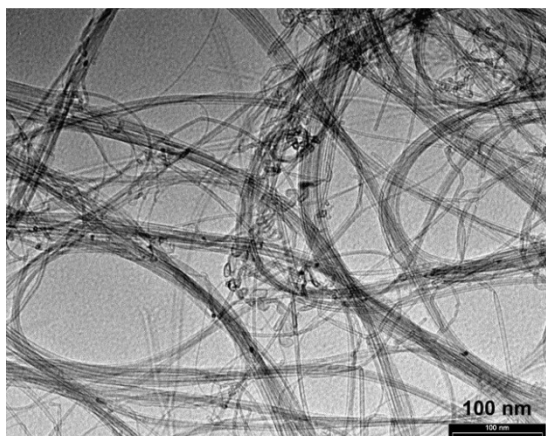


NANOCYL™ NC2150 series - Datasheet – Short Double-Wall Isolated & Bundled Carbon Nanotubes

General information



NANOCYL™ NC2150 series double-wall carbon nanotubes are produced via the catalytic carbon vapor deposition (CCVD) process. Nanotubes which exit the reactor are then purified to greater than 90% carbon to produce the 2100 grade. This grade is then functionalized via a Nanocyl patented process to produce the 2150 grades.

These products are available in 1 to 100 gram order quantities.

A primary interest is in applications requiring surface chemistry characteristics and ease of dispersability.

Characterization NC2150, NC2151, NC2152

PROPERTY	UNIT	VALUE	METHOD OF MEASUREMENT
Average Diameter	nanometers	3.5	HRTEM
Length	microns	several	TEM / SEM
Carbon Purity	%	> 90	TGA
Metal Oxide (impurity)	%	< 10	TGA
Amorphous Carbon & Carbon Shells	%	To be defined	HRTEM
-COOH Functionalization (NC2151)	%	< 3	XPS
-NH ₂ Functionalization (NC2152)	%	< 0.5	XPS

+ Further information is available upon request

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Nanocyl S.A.

Rue de l'Essor 4 Tel +32 71 750 380
B-5060 Sambreville Fax +32 71 750 390
BELGIUM sales@nanocyl.com

US contact

info-us@nanocyl.com