



Certificate of Analysis

Graphitized multi-walled carbon nanotube, –COOH functionalized

Content of MWNTs (metal basis, excluding –COOH): 99.9%

Content of –COOH: 1.22-1.34%

Outside diameter: 8-15 nm

Inside diameter: 3-5 nm

Length: 10-50 μm

Stock#: 1241YJF

Elements	Content (ppm)	Elements	Content (ppm)
Al	7.32	K	14.2
Ba	1.88	Mg	21
Ca	187.7	Mn	0.25
Cd	10.5	Na	71.6
Cr	0.98	Ni	0.75
Cu	0.39	Pb	0.07
Fe	33.5	Si	14.3

Analysis Methods: inductively coupled plasma (ICP)
X-ray photoelectron spectroscopy (XPS)

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