

# Certificate of Analysis

## **-COOH Functionalized multi-walled nanotube (MWNTs-COOH)**

Content of MWNTs: 95+%

Outside diameter: 8-15 nm

Inside diameter: 3-5 nm

Length: 10-50  $\mu\text{m}$

Stock#: 1268YJF

<b>Components</b>	<b>Contents (%)</b>
Multi-walled nanotubes	> 95
-COOH	2.43-2.67
C	Bal.
Al	0.03
Cl	0.09
S	0.12

Analysis Methods: X-ray Photoelectron Spectroscopy  
Energy Dispersive X-ray Spectroscopy

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