



Certificate of Analysis

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

Content of MWNTs: 98+%
Outside diameter: 30-50 nm
Inside diameter: 5-12 nm
Length: < 10 μ m

Stock#: 1271YJF

| Components | Contents (%) |
|------------------------|---------------------|
| Multi-walled nanotubes | > 98 |
| -COOH | 0.69-0.77 |
| Cl | 0.20 |
| Fe | 0.55 |
| Ni | < 1.0 |
| S | 0.02 |

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

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