Technical Data Sheet

ACS Material Ni-Coated Multi-Walled Carbon Nanotubes

(Ni Coated MWNTs, 30-50 nm)

Table of Contents

Contact Information:

Manufacturer: ACS Material, LLC.

Address: 959 E Walnut St., Suite 100,

Pasadena, CA 91106, USA

Phone: (866)-227-0656

Fax: (781)-518-0284

E-Mail: contact@acsmaterial.com

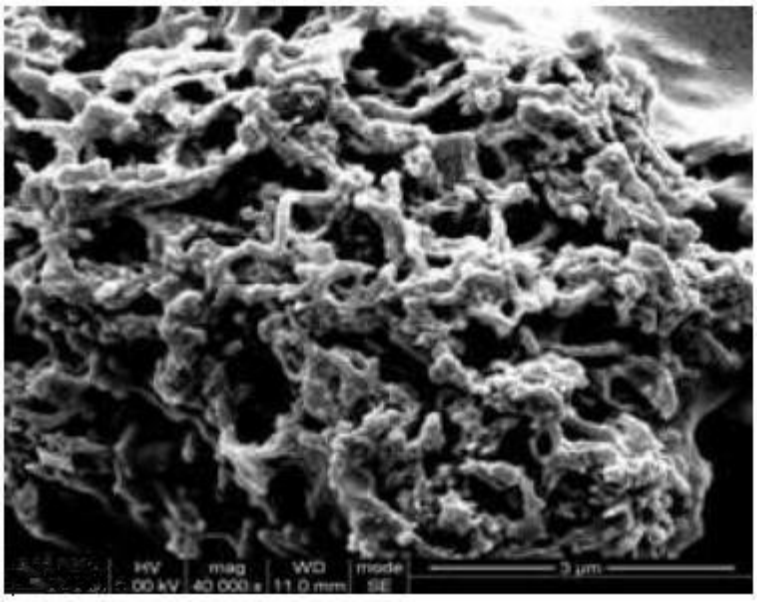
Revision: 010618

1. Preparation Method

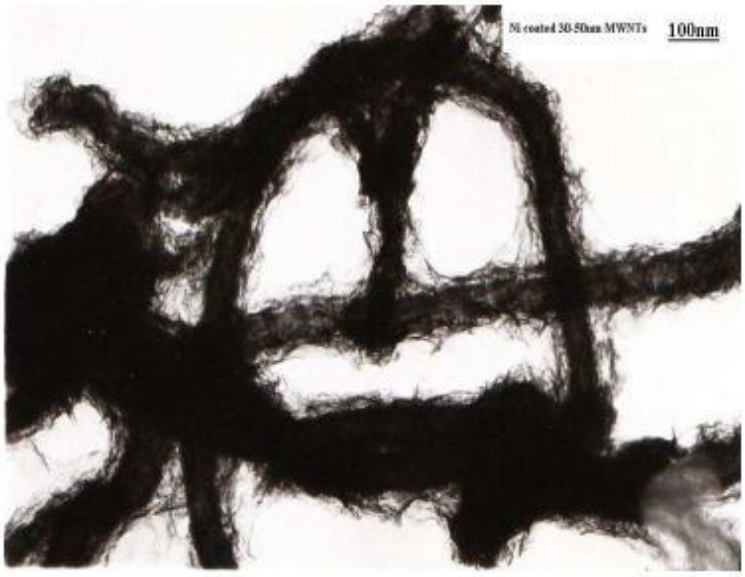
Chemical Vapor Deposition (CVD) method

2. Characterizations

Purity:	>99.9%
Color:	Black
CNTs Content:	>38 wt.%
Ni Content:	>60 wt.%
Outer Diameter:	30-50 nm
Inner Diameter:	5-10 nm
Length:	<10 μm
Tap Density:	0.83 g/cm^3
SSA:	>50 m^2/g
EC:	N/A



SEM Image of ACS Material Ni-Coated MWNTs



TEM Image of ACS Material Ni-Coated MWNTs

3. Application Fields

Catalysts, additives in polymers, nanoelectrodes, drug delivery, sensors, electromagnetic-wave absorption and shielding, electron field emitters for cathode ray lighting elements, flat panel display, gas-discharge tubes in telecom networks, energy conversion, lithium-battery anodes, hydrogen storage, supercapacitors, nanotube composites (by filling or coating), nanoprobes for STM, AFM, and EFM tips, nanolithography, reinforcements in composites, *etc*.