



## Technical Data Sheet

# ACS Material Graphitized Hydroxylate Multi-Walled Carbon Nanotubes (Graphitized MWNTs-OH, >50 nm)

### Table of Contents

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[1 – Preparation Method](#)

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[2 – Characterizations](#)

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[3 – Application Fields](#)

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## 1. Preparation Method

Chemical Vapor Deposition (CVD) method

## 2. Characterizations

<b>Purity:</b>	>99.9%
<b>-OH Content:</b>	0.36 wt.%
<b>Color:</b>	Black
<b>Outer Diameter:</b>	>50 nm
<b>Inner Diameter:</b>	5-15 nm
<b>Length:</b>	<10 $\mu\text{m}$
<b>SSA:</b>	>20 $\text{m}^2/\text{g}$
<b>True Density:</b>	$\sim 2.1 \text{ g}/\text{cm}^3$
<b>EC:</b>	>100 S/cm

## 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), nanoprobe for STM, AFM, and EFM tips, nanolithography, reinforcements in composites, *etc.*

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