



Technical Data Sheet

ACS Material High Purified Large Surface Area Single-walled Carbon Nanotubes

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1. Characterizations

Composition	High Purified Large Surface Area Single-walled Carbon Nanotubes
Appearance	Black powder
Purity	>95%
Outer Diameter	1-2 nm
Inner Diameter	0.8-1.6 nm
Length	5-30 μm
SSA	>1000 $\text{m}^2\cdot\text{g}^{-1}$
Ashes	<2.5 wt%
Conductivity	>100 $\text{S}\cdot\text{cm}^{-1}$

2. 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, supercapacitor, nanotube composites (by filling or coating), nanoprobes for STM, AFM, and EFM tips, nanolithography, reinforcements in composites, *etc.*

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