



## Technical Data Sheet

### ACS Material Zinc Oxide Nanowire

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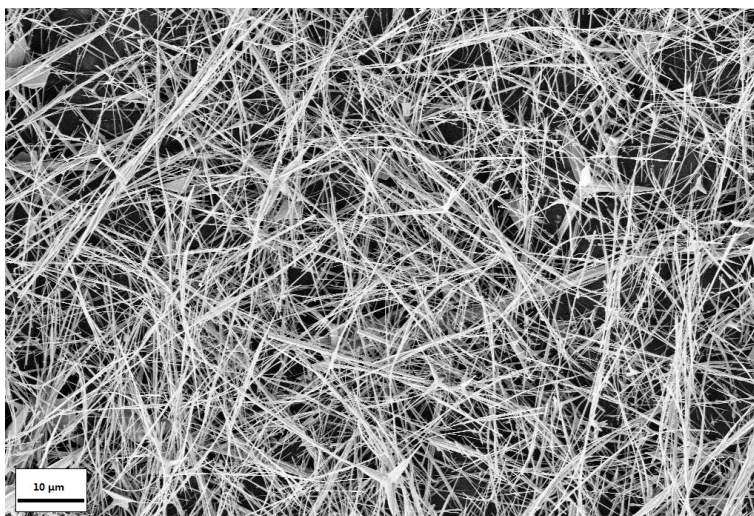
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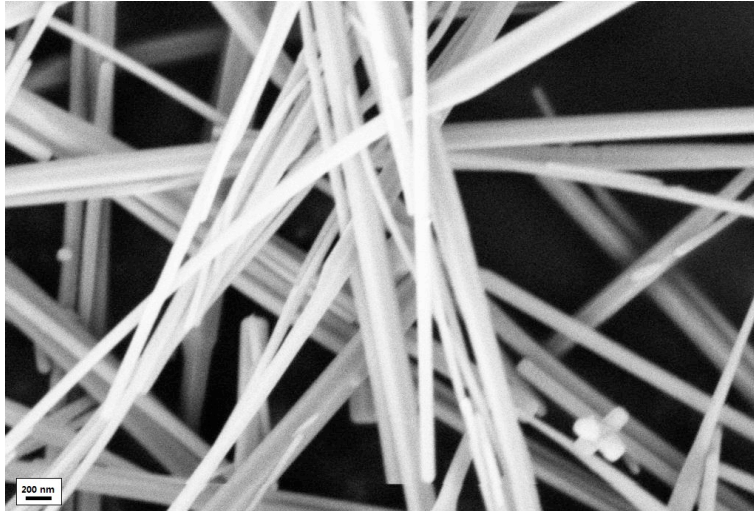
## 1. Properties

<b>Structure:</b>	Hexagonal cylindrical single crystal
<b>Diameter:</b>	50-120 nm
<b>Length:</b>	5-50 $\mu\text{m}$
<b>Aspect Ratio:</b>	300-500

## 2. Characterizations



SEM Image (1) of ACS Material ZnO Nanowire



SEM Image (2) of ACS Material ZnO Nanowire

Table 1 Energy spectrum analysis of ACS Material ZnO Nanowire

Element	Weight (%)	Atom (%)
O K	19.53	49.75
Zn L	80.47	50.25
Total	100	-

### 3. Application Fields

- 1) Catalysis
- 2) Optoelectronic materials
- 3) Magnetic materials
- 4) Photosensitive

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