Technical Data Sheet

ACS Material Silver Nanowire

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1. Products list

<table>
<thead>
<tr>
<th>Products</th>
<th>Average Diameter/nm</th>
<th>Average Length/µm</th>
<th>Silver Purity (%)</th>
<th>Concentration (mg/ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agnws-L30</td>
<td>30</td>
<td>100-200</td>
<td>~98</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-L50</td>
<td>50</td>
<td>100-200</td>
<td>~98</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-L70</td>
<td>70</td>
<td>100-200</td>
<td>~98</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-L100</td>
<td>100</td>
<td>100-200</td>
<td>~98</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-40</td>
<td>40</td>
<td>20-60</td>
<td>~99.5</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-60</td>
<td>60</td>
<td>20-60</td>
<td>~98</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-90</td>
<td>90</td>
<td>20-60</td>
<td>~98</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-120</td>
<td>120</td>
<td>30-50</td>
<td>~98</td>
<td>20</td>
</tr>
<tr>
<td>*Agnw-X23</td>
<td>~23</td>
<td>~13</td>
<td>~99.5</td>
<td>5</td>
</tr>
</tbody>
</table>

Dispersion: In ethanol, isopropyl alcohol, or water.
Concentration: The standard concentration is 20mg/ml, and we can provide this product with a concentration up to 55mg/ml.

* Agnw-X23 is designed for industrial use. PVP is used to prevent aggregation which is about 15wt%.

2. Characterizations

Dispersion solution: De-ionized water, alcohol, isopropanol, normal butanol, or other solution as requested.
Density: 20 mg/ml. (Or other density as requested)
Purity: >99.5 wt%.
Dispersant: <0.5 wt%.

3. Structural Features
4. Applications

Optical Applications: Solar, Medical imaging, Surface enhanced spectroscopy, Optical limiters
Conductive Applications: High-intensity LEDs, Touch screens, Conductive adhesives, Sensors
Anti-microbial Applications: Air & water purification, Bandages, Films, Food preservation, Clothing
Chemical & Thermal: Catalysts, Pastes, Conductive adhesives, Polymers, Chemical vapor sensors

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