Technical Data Sheet

ACS Material Silver Nanowire

Table of Contents

1 – Products list
2 – Characterizations
3 – Structural Features
4 - Applications

Contact Information:
Manufacturer: ACS Material, LLC.
Address: 959 E Walnut St. Suite 100,
Pasadena, CA 91106
Medford, MA 02155-2213
Phone: (866)-227-0656
Fax: (781)-518-0284
E-Mail: contact@acsmaterial.com
Revision: 070318
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>~99.5</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-L50</td>
<td>50</td>
<td>100-200</td>
<td>~99.5</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-L70</td>
<td>70</td>
<td>100-200</td>
<td>~99.5</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-L100</td>
<td>100</td>
<td>100-200</td>
<td>~99.5</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-40</td>
<td>40</td>
<td>20-30</td>
<td>~99.5</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-60</td>
<td>60</td>
<td>20-30</td>
<td>~99.5</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-90</td>
<td>90</td>
<td>20-30</td>
<td>~99.5</td>
<td>20</td>
</tr>
<tr>
<td>Agnws-120</td>
<td>120</td>
<td>20-30</td>
<td>~99.5</td>
<td>20</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.

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

Disclaimer: ACS Material, LLC believes that the information in this Technical Data Sheet is accurate and represents the best and most current information available to us. ACS Material makes no representations or warranties either express or implied, regarding the suitability of the material for any purpose or the accuracy of the information contained within this document. Accordingly, ACS Material will not be responsible for damages resulting from use of or reliance upon this information.