Technical Data Sheet

ACS Material Silver Nanoparticles

Table of Contents

1 – Preparation Method
2 – Characterizations
3 – Application Fields

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Revision: 070217
1. Preparation Method

Physical Grinding Method

2. Characterizations

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BET surface area (m$^2$/g)</td>
<td>$\geq 3.0$</td>
</tr>
<tr>
<td>Particle Size (nm)</td>
<td>20-100</td>
</tr>
<tr>
<td>Average Size (nm)</td>
<td>80</td>
</tr>
<tr>
<td>BET surface area (m$^2$/g)</td>
<td>$\geq 3.0$</td>
</tr>
<tr>
<td>Tap density (g/m$^3$)</td>
<td>$\geq 2.5$</td>
</tr>
<tr>
<td>Total impurity ions (ppm)</td>
<td>$&lt; 150$</td>
</tr>
</tbody>
</table>

Typical SEM Image of ACS Material Silver Nanoparticles (1)
3. Application Fields

1) Sensitive element electrode slurry
2) Conductive coating
3) Electroplating industry
4) Catalytic materials
5) Medical field
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