Technical Data Sheet

ACS Material Molybdenum Disulfide (MoS₂)
Quantum Dots

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1. Preparation Method
Lithium intercalating method

2. Characterizations

<table>
<thead>
<tr>
<th>Characterization</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration</td>
<td>0.5 mg/ml</td>
</tr>
<tr>
<td>Size</td>
<td>&lt;10 nm</td>
</tr>
<tr>
<td>Solvent</td>
<td>water</td>
</tr>
<tr>
<td>PH</td>
<td>11-12</td>
</tr>
<tr>
<td>Stabilizer</td>
<td>LiOH</td>
</tr>
<tr>
<td>Appearance</td>
<td>Black Powder or Suspension</td>
</tr>
</tbody>
</table>

Typical TEM Image of ACS Material Monolayer MoS$_2$ Quantum Dots
Typical TEM Image of ACS Material Monolayer MoS$_2$ Quantum Dots

Typical AFM Image of ACS Material Monolayer MoS$_2$ Quantum Dots
3. Application Fields

An excellent material for studying electrochemistry.

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