Technical Data Sheet

ACS Material Single Layer Graphene Oxide Dispersion

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Contact Information:
Manu...
1. Preparation Method
All dispersions are made from our Single Layer Graphene Oxide (H Method).

2. Characterizations

<table>
<thead>
<tr>
<th>New SKU:</th>
<th>GNO1W001</th>
<th>GNODAW01 (New Product)</th>
<th>GNO1W005</th>
<th>GNOD1E01</th>
<th>GNOD1W01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration:</td>
<td>10mg/ml.</td>
<td>5mg/ml.</td>
<td>5mg/ml.</td>
<td>5mg/ml.</td>
<td>5mg/ml.</td>
</tr>
<tr>
<td></td>
<td>100ml per bottle (1g)</td>
<td>1L per bottle (5g)</td>
<td>100ml per bottle (0.5g)</td>
<td>100ml per bottle (0.5g)</td>
<td>100ml per bottle (0.5g)</td>
</tr>
<tr>
<td>Solvent:</td>
<td>DI Water</td>
<td>DI Water</td>
<td>DI Water</td>
<td>Ethanol</td>
<td>DI Water</td>
</tr>
<tr>
<td>Flake size:</td>
<td>0.5-2.0 µm</td>
<td>0.5-2.0 µm</td>
<td>~500 nm</td>
<td>0.5-2.0 µm</td>
<td>0.5-2.0 µm</td>
</tr>
<tr>
<td>Thickness:</td>
<td>0.6-1.2 nm</td>
<td>0.6-1.2 nm</td>
<td>0.6-1.2 nm</td>
<td>0.6-1.2 nm</td>
<td>0.6-1.2 nm</td>
</tr>
<tr>
<td>Single-layer Ratio:</td>
<td>&gt;80%</td>
<td>&gt;80%</td>
<td>&gt;80%</td>
<td>&gt;80%</td>
<td>&gt;80%</td>
</tr>
</tbody>
</table>

Typical TEM Image of ACS Material Graphene Oxide Dispersion
3. Application Fields

1) Catalyst
2) Supercapacitors
3) Solar energy
4) Graphene semiconductor chips
5) Conductive graphene film
6) Graphene computer memory
7) Biomaterials
8) Transparent conductive coatings
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