Technical Data Sheet

ACS Material Monolayer MoS₂ Film on SiO₂/Sapphire
(8mm x 8mm)

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Revision: 103017
1. Preparation Method
CVD Method

2. Characterizations

<table>
<thead>
<tr>
<th>Substrate:</th>
<th>SiO$_2$/Sapphire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size:</td>
<td>8 mm*8 mm</td>
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<tr>
<td>Thickness:</td>
<td>0.6-0.8 nm</td>
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</tbody>
</table>

Typical Microscope Image of ACS Material Monolayer MoS$_2$ Film on SiO$_2$/Sapphire (8mm x 8mm)
Typical Raman of ACS Material Monolayer MoS$_2$ Film on SiO$_2$/Sapphire (8mm x 8mm)

Typical Optical Spectrum of ACS Material Monolayer MoS$_2$ Film on SiO$_2$/Sapphire (8mm x 8mm)
3. Application Fields

An excellent device material for studying the number of layers and fluorescence effects.

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