



## Technical Data Sheet

# ACS Material Analytical Testing of **Atomic Force Microscope (AFM)** (Powder/Film/Bulk)

### **Contact Information:**

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<b>Test Service</b>	<b>Atomic Force Microscope (AFM)</b>
<b>Instrument Model</b>	NT-MDT Prima, Bruker Dimension Edge, Bruker Dimension ICON, Agilent 5500
<b>Test Content</b>	Morphology, PFM, EFM, KPFM, MFMC-AFM/PeakForce TUNA
<b>Sample Type</b>	Powder/Film/Bulk

**Notes:**

1. Sample requirements:

(1) For **film/bulk** sample:

- Length/Width: 0.5-3 cm; Thickness: 0.1-1 cm;
- Surface Roughness: < 5  $\mu\text{m}$
- Please mark the test surface.

(2) For **powder series** sample:

Type of Powder series	Required Weight Per Sample
Powder	$\geq 20$ mg, particle size < 5 $\mu\text{m}$
Powder in solvent	$\geq 1$ mL
Powder prepared on silicon slice	Length/Width: 0.5-3 cm

2. Powder sample preparation instructions: The powder is dispersed in XX solvent (usually ethanol or deionized water) and dropped onto the mica sheet/silicon slice for drying.

3. Please download and print the order form and send it with the sample after the order is completed.

4. All samples are non-returnable and please contact us if you have special requests.

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