



Technical Data Sheet

ACS Material Analytical Testing of

BET Specific Surface Area Analysis

(Powder/Film/Bulk)

Contact Information:

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Test Service	BET Specific Surface Area Analysis
Instrument Model	Mike2020, MikeASAP2460, Mike TriStar II 3flex, Quantachrome AUTOSORB IQ, Quantachrome QUADRASORB SI
Test Content	Mesoporous/Microporous/Macroporous Materials Pore Size Distribution, Specific Surface Area Analysis
Sample Type	Powder/Film/Bulk
Lead Time	2-3 weeks

Notes:

1. Sample requirements: (If the amount of sample is insufficient, the accuracy of the result cannot be guaranteed, and we do NOT offer Free re-testing.)

- (1) For bulk/film sample: length/width/thickness < 5 mm.
- (2) For powder sample:
 - ◆ If SSA > 500 m²/g, please provide > 100 mg.
 - ◆ If SSA < 100 m²/g, please provide > 200 mg.
 - ◆ If SSA < 10 m²/g, please provide > 0.5~1 g.
 - ◆ You can also use this formula to determine the required weight per sample.

$$\text{Sample Weight (g)} = \frac{15}{\text{SSA}}$$

(3) If you do not know SSA, please prepare the sample based on the list below.

Pore Size	Sample Amount Need to Provide
Macropore and Micropore	>100 mg
Mesopore	>250 mg

2. Please grind your sample before shipping to us. Generally, the particle size should be less than 3 mm. The test condition is N2-77 K. Please contact our staff if you need further assistance.

3. Please use centrifuge tubes for your powder samples.

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

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