



Technical Data Sheet

ACS Material Analytical Testing of **X-ray Photoelectron Spectroscopy (XPS)** (Powder/Film/Bulk)

Contact Information:

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Test Service	X-ray Photoelectron Spectroscopy (XPS)
Instrument Model	Thermo Kalpha, Thermo ESCALAB 250XI, Axis Ultra DLD Kratos AXIS SUPRA, PHI-5000versaprobe III
Test Content	Full Spectrum and Narrow Spectrum Test, Auger Spectrum, Valence Band Spectrum, Depth Profile Analysis, MAPPING, Angular Resolution
Sample Type	Powder/Film/Bulk
Lead Time	2-3 weeks

Notes:

- Sample Requirements:
 - Powder:** Please provide **20-30 mg**. Please use Centrifuge Tube to load your sample. If the amount is limited, please contact us.
 - Bulk / Film:** Size within **5 × 5 × 3 mm**. If the sample size is larger, please contact us for quote.
- Signals may **NOT** be detected on the elements less than 5wt%.
- For the narrow-spectrum test, the operator takes the strongest peak by default. If the strongest peak and other elements overlap, the operator will take the 2nd strongest peak.
- Special needs:** Please contact us in advance if you have following requirements, which may subject to additional fees:
 - Etch more than 5nm
 - Samples containing S, F elements
 - Any other special preparation (Glove box, scan times, etc.)
- Sample packaging: Please vacuum sealing your samples after preparation if you can, or the samples may adsorb pollutants in the air, which will affect the result of certain elements.
- All samples are non-returnable and please contact us if you have special requests.

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