



## Technical Data Sheet

# ACS Material Analytical Testing of **Fourier Transform Infrared Spectroscopy (FTIR)** (Powder/Liquid/Film/Bulk)

### **Contact Information:**

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<b>Test Service</b>	<b>Fourier Transform Infrared Spectroscopy (FTIR)</b>
<b>Instrument Model</b>	Nicolet iS 10; Nexus 670; Nicolet Nexus 470; Perkin-Elmer Spectrum GX; Bruker Vertex 70; Nicolet iS 50
<b>Test Method</b>	Pressure Method; ATR Method; Liquid Cell Method
<b>Sample Type</b>	Powder/Liquid/Film/Bulk
<b>Output Mode</b>	Transmittance vs. Wave Number / Absorbance vs. Wave Number

Test Method	Applicable Sample Types	Wave Number of Test
Pressure Method	Powder	400-4000cm <sup>-1</sup>
ATR Method	Powder/Liquid/Film/Bulk	600-4000cm <sup>-1</sup>
Liquid Cell Method	Liquid	400-4000cm <sup>-1</sup>

**Notes:**

1. Sample requirements:

- (1) For **powder** sample: Please provide > 10mg, Mesh Number > 200 and dry sample.
- (2) For **liquid** sample: Please provide > 2mL, non-aqueous, non-toxic and non-corrosive solution.
- (3) For **film/bulk** sample: Length/Width > 0.5cm×0.5cm. Please make sure that the sample is dry. If it is hard film or bulk sample, please contact us and confirm in advance.

2. Please prepare desiccator for storage on your own if the samples are prone to deliquescent.

3. Please use a container with a sealed lid or stopper and close tightly if the samples are prone to volatilization, sublimation, and unstable under high temperature. In addition, the storage conditions of the sample need to be indicated.

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

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

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