

Product Note M115-08/10

A240/DU QuickSnap™ sampling module for upward looking reflectance measurements

The upward looking reflection module for the ALPHA FT-IR spectrometer allows the analysis of solid samples with a diameter of >3 mm in diffuse and specular reflectance. For the measurement of granulate material cups with apertures of 3mm and 5mm are utilized, depending on the diameter of the sample particles. Flat samples are simply positioned on an even sampling plate for the IR analysis.

ALPHA's QuickSnap™ sampling modules offer complete sampling flexibility. They can be exchanged easily without the use of tools and are recognized instantly by the ALPHA FT-IR spectrometer. After an automatic performance test the optimal set of measurement parameters is loaded.

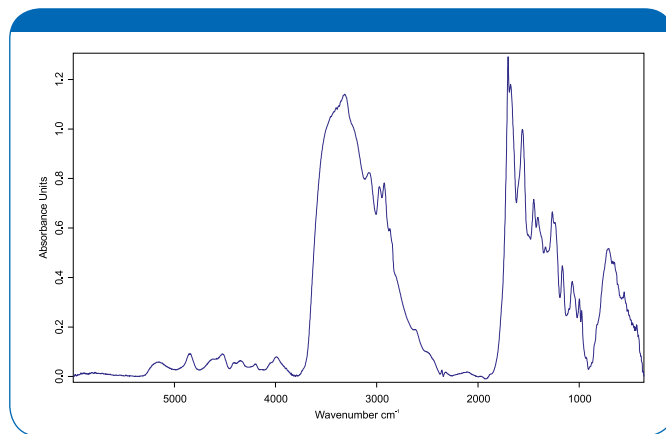
Specifications

- Spectral range: 375 - 7,500 cm^{-1}
- Sample compartment cover
- 2 sample holders for granules with diameter > 3 mm and > 5 mm
- Sampling position for flat samples
- Gold mirror for reference measurement



Applications

- Reflective materials
- Gemstones
- Art conservation and restoration
- Textiles



IR-spectrum of silk measured with the upward looking reflection module A240/DU.

For more information visit: www.brukeroptics.com