



Raman Spectrometer



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TECHNICAL NOTE

About the instrument

Specifications

Capability

Sample requirement

Sample Limitation

Analysis Cost

Sample Preparation

About the Instrument

Manufacture

Horiba Scientific France

Model

XploRATM plus

Specifications

Microscopy

Confocal

Laser source

532 nm Green laser

Frequency range

10 - 4000 cm^{-1}

Capability

Raman Spectroscopy, Optical Imaging

Sample requirement

Sample type

Powder / Solid / Thin-film

Sample quantity

20 mg

Sample Limitations

Powder should be finely ground; solid samples should be nearly 1x1 cm.

Analysis cost

Academic

Rs 500 / sample

Industry

Rs 1000 / Sample