

G. S. Mandal's
Maharashtra Institute of Technology, Aurangabad
Department of Plastic & Polymer Engineering
MIT – Centre for Advanced Materials Research and Technology (M-CAMRT)

Name:

Phone Number:

Email ID:

Name of the Organization:

Address of the Organization:

Characterization Service Required (Tick to select)

- 1. FTIR (Fourier transform infrared spectrophotometer)
- 2. UV (UV-VIS Spectrophotometer)
- 3. DSC (Differential scanning calorimeter)
- 4. TGA (Thermogravimetric analyser)
- 5. Particle size analysis
- 6. Zeta potential

A) FTIR analysis details:

- 1. Number of samples:
- 2. Form of sample: Liquid / Solid / Gel
- 3. Sample is dissolved in:

B) DSC analysis details:

- 1. Number of samples:
- 2. Sample details:

Sr. No.	Name of sample	Temperature range for analysis	Heating rate required (°C /min)

(*In case of requirement, add more rows)

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C) TGA analysis details:

1. Number of samples:
2. Sample details:

Sr. No.	Name of sample	Temperature range for analysis	Heating rate required (°C /min)	Carrier gas required (N ₂ / O ₂ / Air)

(*In case of requirement, add more rows)

D) UV-VIS Analysis details:

1. Number of samples:
2. Sample details:

Sr. No.	Name of sample	Mode of analysis (Spectrum/Photometric)	Scanning wavelength (190 to 1100 nm)

(*In case of requirement, add more rows.

*In case of specific method of sample preparation, send the method in mail along with this form.)

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E) Particle size Analysis details:

1. Number of samples:
2. Sample details:

Sr. No.	Name of sample	Medium required (Water / Solvent)

(*In case of requirement, add more rows.

In case of any particular solvent required, kindly share

Method of discarding the sample (Write here about the procedure to discard the sample after analysis):

Signature of the applicant