

Advanced Material Characterisation

Sl No	Test Name	Standard Method
1	Optical Microscope	HASETRI developed Method
2	Optical Microscope, Hot Stage Analysis	HASETRI developed Method
3	Polarised Microscope	HASETRI developed Method
4	FESEM: Surface Topography	HASETRI developed Method
5	FESEM-EDS: Material Mapping	HASETRI developed Method
6	Ultramicrotomy : Sample preparation	HASETRI developed Method
7	HRTEM: advanced materials on an atomic resolution scale	HASETRI developed Method
8	STEM/EDS: Elemental Mapping	HASETRI developed Method
9	Tomography : 3D Structure of particles	HASETRI developed Method
10	AFM : 3D Surface topography	HASETRI developed Method
11	Localized mechanical properties Or Nano Indentation- Through AFM	HASETRI developed Method
12	Surface morphology in liquid medium - Through AFM	HASETRI developed Method
13	Surface morphology in varied temperature - Through AFM	HASETRI developed Method
14	XRD - Reflection Mode	HASETRI developed Method
15	XRD - Transmission Mode	HASETRI developed Method
16	XRD - Using Rotating Stage	HASETRI developed Method
17	TFA - Pure Shear	HASETRI developed Method
18	TFA- Dumbbell	HASETRI developed Method
19	TFA-Single Edge Notch Test	HASETRI developed Method