

SERVICE CHARGE**Internal User**

Please consult with laboratory personnel before decided to choose any service(s) below:

SERVICES / FACILITIES				
NO	LIST OF INSTRUMENT	CRITERIA	FUNCTION	PER SAMPLE (RM)
1.	Differential Scanning Calorimetry (DSC)	<ul style="list-style-type: none"> Temp: -50°C until max Powder film 	To measured physical properties of a sample change along with temperature againt time	Powder: 100.00 Film: 150.00
2.	Dynamic Mechanical Analysis (DMA)	<ul style="list-style-type: none"> RT until max Price does not include nitrogen gas 	To measure materila stiffness by time, temperature and frequency	200.00
3.	Electrochemical Multichanel / Impedance Analyzer	<ul style="list-style-type: none"> KIV 	To investigate the electrical resistance (measured in ohm) of substances and objects	50.00/h
4.	Fourier Transform Infrared (FTIR)	<ul style="list-style-type: none"> KIV 	To obtain an infrared spectrum of absorption or emission of a sold, liquid or gas	75.00
5.	Laser Particle Analyzer	<ul style="list-style-type: none"> Powder-Solvent Water 	To measure the sizes of particles in a material	80.00
6.	Multichanel Electrochemical Workstation (Glove Box)	<ul style="list-style-type: none"> Min corrosive chemical 10% 	To isolate the contaminants from the enviroment by confining them to the enclosed volume	KIV
7.	Scanning Electron Microscopy (SEM)	<ul style="list-style-type: none"> Max. 3 Images *Imaging only 	To focus on beam of electrons and analyse surfaces structures and near surface of appropriate specimens	100.00
8.	Thermal Gravimetric Analysis (TGA)	<ul style="list-style-type: none"> Temp: RT 600°C Powder/Film 	To determine a material thermal's stability by measuring the weight change that occurs as a sample is heated at a contant rate	150.00
9.	UV/VIS/NIR Spectrometer	<ul style="list-style-type: none"> Powder / Liquid / Film 	To measure the amount of discrete wavelenghts of UV or Visible light that are absorbed by or transmitted through a sample	50.00
10.	Ball Mill Grinder	<ul style="list-style-type: none"> Solid / Powder 	To grind or blend materilas for use in mineral dressing processes, paints, pyrotechnics, ceramics and selective laser sintering.	50.00/h

MAKMAL INFRA PASUM

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