

FOR MORE INFORMATION



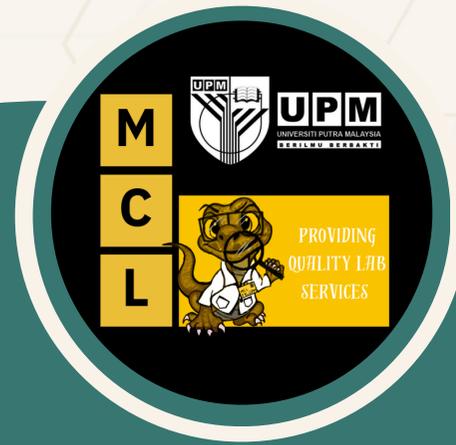
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Payment Method

- ✓ Internal vot transfer (for UPM only)
- ✓ Cheque/Bank Draft/Postal Order payable to Bursa UPM
- ✓ Cash at UPM Bursa Counter 3
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UNIVERSITI PUTRA MALAYSIA SERDANG
Pejabat Bursa, Aras 2,
Bangunan Canselori Putra,
Universiti Putra Malaysia,
43400 UPM Serdang, Selangor.

We offer analytical services for various industries.



Material Characterization Laboratory, MCL

LABORATORY TESTING AND SERVICES



FAKULTI KEJURUTERAAN
FACULTY OF ENGINEERING
فاكولتي كجوروتراان

CHROMATOGRAPHY TEST

Agilent Gas chromatography with Flame Ionization Detection (GC)-FID	RM130*
Agilent Gas Chromatography with Thermal Conductivity Detector (GC)-TCD	RM80*
Shimadzu Gas Chromatography Mass Spectrometry (GC-MS)	RM380*
Shimadzu High Performance Liquid Chromatography (HPLC) UV Detector	RM105*
Agilent High Performance Liquid Chromatography (HPLC) RI/ELSD Detector	RM100*
Jasco High Performance Liquid Chromatography (HPLC) RI-PDA Detector	RM100*

* More than one sample contact lab.

ELEMENTAL TEST

LECO CHNS Analyzer	CHN	RM260
	S	RM250

SPECTROSCOPY TEST

Thermo Scientific Flame Atomic Absorption Spectrophotometer (AAS)	RM80**/element
Perkin Elmer Inductively Coupled Plasma with Optical Emission Spectroscopy (ICP-OES)	RM190
Perkin Elmer Fourier Transform InfraRed Spectroscopy (FTIR)	RM130
Shimadzu UV-Vis Spectrophotometer (UV-Vis)	RM50

** per sample basis.

THERMAL TEST

Mettler Toledo Differential Scanning Calorimetry (DSC)	RM230
Mettler Toledo Thermogravimetric Analyzer (TGA)	RM230

ELECTRON MICROSCOPE TEST

Field Emission Scanning Electron Microscopy (FESEM)	RM500
Field Emission Scanning Electron Microscopy with Energy Dispersive X-ray Spectroscopy (FESEM-EDX)	RM600
Field Emission Scanning Electron Microscope with Integrated Raman Laser Imaging System (FESEM-Raman)	Please consult MCL for price.

PHYSICAL TEST

SURFACE ANALYZER Micromeritics Brunauer-Emmett-Teller (BET) Analyzer	RM425
XRAY DIFFRACTION Shimadzu Power X-Ray Diffraction (XRD)	RM400
VISCOSITY Rotational Viscometer	RM50
PARTICLE SIZE Malvern Particle Size Analyzer (PSD)	RM55