
 <b>UTM</b> UNIVERSITI TEKNOLOGI MALAYSIA	<b>PUSAT PENGURUSAN MAKMAL UNIVERSITI (PPMU)</b>	Form Num.	UURL/F/47
		Version	3/2025
		Effective Date	17/09/2025
		Equipment	SURFACE AREA & PORE ANALYZER
		Sample Serial No.	UURL/
		Page	1 of 3
<b>SURFACE SCIENCE LABORATORY</b>			
<b>SAMPLE SUBMISSION FORM</b>			

**General Rules and Requirements :**

1.	All information provided should be true.
2.	Sample submission procedure.
a.	Complete the Sample Submission Form including a valid research vote number.
b.	For sample submission via walk-in : Submit the completed Sample Submission Form and samples to UURL Sample Acceptance Counter.
c.	For sample submission via mail : Submit the completed Sample Submission Form and the samples. Samples must be packaged in a suitable container for courier delivery. The parcel should be addressed to the person in charge of the instrument, as it will be received directly by them.
3.	Fast lane Service : A priority testing service that provides results within 3 to 7 working days instead of the usual 14 working days. It is offered based on availability with an additional 50% charge from the normal price. Customers must contact the person in charge for this service.
4.	For sample criteria and conditions, refer to UURL Sample Submission Criteria in the PPMU website at ppmu.utm.my.
5.	PPMU has the right to cancel any analysis if the sample is suspected to have a high risk on the safety of the operator or can cause damage to the instrument during the analysis. The cost of damages will be borne by the customer.
6.	Only samples that are ready to be analyzed are accepted by the laboratory.
7.	The remaining samples must be collected by the customer after completion of the analysis. Please inform to the person in charge of the instrument for the sample collection date. Any uncollected samples will be disposed of by the laboratory after one month.
8.	Quotation will be provided upon request.
9.	Payment must be made within fourteen (14) working days after invoice is issued.
10.	Analysis duration is within fourteen (14) working days after receiving the samples.
11.	The laboratory will provide test results after the payment proof presented to the person in charge of the instrument.
12.	All inquiries regarding <b>SURFACE AREA &amp; PORE ANALYZER</b> should be forwarded to the person in charge of the instrument Assistant Science Officer, Mrs Nurleyana Salleh (email: nurleyana@utm.my) or Assistant Science Officer, Mrs Iryani Nabilah Kasni (email: iryaninabilah@utm.my). UURL Sample Acceptance Counter phone no.: 07-5333360 (working hours). Visit our website at ppmu.utm.my for more information.

**All pages must be submitted**

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**Application Details:**

1. APPLICANT'S PERSONAL PARTICULARS								
Name of Applicant								
Status of Applicant	<input type="checkbox"/>	Undergraduates	<input type="checkbox"/>	Master	<input type="checkbox"/>	PhD	<input type="checkbox"/>	Research
Student Matric No.								
Faculty/ Department								
Hand Phone No.								
Email								
2. SUPERVISOR DETAILS								
Name of Supervisor								
Staff ID No.								
Faculty/Department								
Hand Phone No.								
Email								
Signature & Official Stamp	*A digital signature is not recommended. Any matters raised in the future are beyond our responsibilities							
	<input type="checkbox"/>	I have read and agreed to the General Rules and Requirements						
3. PAYMENT								
Method of Payment	<input type="checkbox"/>	UTM PayHub System	<input type="checkbox"/>	Log card	<input type="checkbox"/>	Invoice		
Mode of Service	<input type="checkbox"/>	Normal	<input type="checkbox"/>	Fast Lane				
Payment using Invoice	Research Vot No. (e.g.: Q.J091600.24C3.01D32)							
	Balance of V29000							
4. SAMPLE & ANALYSIS INFORMATION <i>(please attach the copy of referred journal)</i>								
Name of Sample								
Total Number of Sample/s								
Type of Sample	<input type="checkbox"/>	* Powder size <6mm weight: min 0.4g	<input type="checkbox"/>	Solid size:9mm-12mm weight: 1.0g-2.0g				
	*Samples must be dried and homogenized							
Sample Properties (Please tick (/))	<input type="checkbox"/>	Toxic	<input type="checkbox"/>	Carcinogenic	<input type="checkbox"/>	Others : _____		
Sample i.d/Labels								
Test Required	Isotherm and Surface Area • BET <input type="checkbox"/> • Langmuir <input type="checkbox"/>							
	Isotherm, Surface Area & Pore Size Distribution • B.J.H <input type="checkbox"/> • Horvath & Kawazoe <input type="checkbox"/> • t-Plot (Lippens & de Boer) <input type="checkbox"/> • Dubinin and Raduskevich <input type="checkbox"/>							

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Test Method	1) Isotherm	SURFER Thermo Fisher Scientific, Italy	
		ASTM D 4222	
	2) Surface Area	SURFER Thermo Fisher Scientific, Italy	
		ASTM D 3663 (Mesopore)	
	3) Pore Size Distribution	SURFER Thermo Fisher Scientific, Italy	
		ASTM D 4641	
Sample pre-treatment consists in the combined operation of vacuum and temperature to remove the humidity from the sample.	Temperature (°C) :  Time/ Hour :  * Unknown sample: Please attach the copy of TGA result for pre-treatment condition requirement.		