



**PUSAT PENGURUSAN MAKMAL
UNIVERSITI (PPMU)**

Form Num.	UIRL/F/46
Version	1/2024
Effective Date	01/03/2024
Equipment	CHEMISORPTION ANALYZER (TPDRO)
Sample Serial No.	UIRL/

**SURFACE SCIENCE LABORATORY
SAMPLE SUBMISSION FORM**

General Rules and Requirements:

- All information provided should be true.
- Booking will be notified/updated by email.
- Booking procedure
 - Complete the application form including a valid research vote number.
 - Submit the complete application form to UIRL Sample Acceptance Counter.
 - Fast Lane is offered to non-UTM customers with an additional 50% charge from the normal price.**
- Sample Condition & Preparation
 - PPMU has the right to cancel any analysis if the sample is suspected to have a high risk to 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.**
 - The remaining samples will be disposed of within a month after analysis is completed.**
- All inquiries regarding **Chemisorption Analyzer** should be forwarded to the Assistant Science Officer, Mrs Iryani Nabilah (email: iryaninabilah@utm.my or Mrs Nurleyana Salleh, email: nurleyana@utm.my, ext: 07-5557720) or visit our website at ppmu.utm.my
- Only samples that were ready to be analyzed were accepted by the lab

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											
Mode of Payment	<input type="checkbox"/>	Cash	<input type="checkbox"/>	EFT	<input type="checkbox"/>	Log card	<input type="checkbox"/>	Invoice	<input type="checkbox"/>	Fast Lane	
Payment using Invoice	Research Vot No. (e.g.: Q.J091600.24C3.01D32)										
	Balance of V29000										
Signature & Official Stamp	*A digital signature is not recommended. Any matters raised in the future are beyond our responsibilities										

3. SAMPLE INFORMATION

Name of Sample											
Type of Sample	<input type="checkbox"/>	Powder	<input type="checkbox"/>	Solid							
No. of Samples Submitted											
Sample i.d/Labels											
Test Required	<input type="checkbox"/>	TPD-CO2	<input type="checkbox"/>	TPD-NH3	<input type="checkbox"/>	TPR-H2	<input type="checkbox"/>	Pulse Chemisorption			

Parameter:

Test Condition	TPR			TPD		
	Gas & Flow Rate (ml/min)	Waiting Time (Hour)	Ramping Temperature &rate (°C)	Gas & Flow Rate (ml/min)	Waiting Time (Hour)	Ramping Temperature &rate (°C)
Pre-treatment/Cleaning						
Pre- Saturate the active sites						
To remove physisorbed gas						
Ramping Temperature (°C) & rate (°C/min)						