



**PUSAT PENGURUSAN MAKMAL
UNIVERSITI (PPMU)**

Form Num.	UIRL/F/46
Version	1/2023
Effective Date	01/02/2023
Equipment	CHEMISORPTION ANALYZER (TPDRO)
Sample Serial No.	

**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: iryantinabilah@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	<input type="checkbox"/> Pulse Chemisorption		

Parameters:

Test	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 & rate (°C)						