

 <b>UTM</b> UNIVERSITI TEKNOLOGI MALAYSIA	<b>PUSAT PENGURUSAN MAKMAL          UNIVERSITI (PPMU)</b>	Form Num.	UURL/F/15
		Version	1/2024
		Effective Date	01/03/2024
		Equipment	Thermogravimetric analysis (TGA-FTIR)
		Sample Serial No.	UURL/
<b>X-RAY &amp; THERMAL ANALYSIS LABORATORY</b>			
<b>SAMPLE SUBMISSION FORM</b>			

**General Rules and Requirements:**

- All information provided should be true
- Booking will be notified/updated by email
- Booking procedure
  - Complete the application form including valid research Vot number.
  - Submit the complete application form to UURL 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 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.
  - The remaining samples will be disposed of within a month after analysis is completed.
- All inquiries regarding TGA-FTIR should be forwarded to the Assistant Engineer, Mr. Muhamad Arif bin Misset, email: [m.arifmisset@utm.my](mailto:m.arifmisset@utm.my) or Assistance Science Officer, Mrs. Nur Syakirah binti Mohd Noh, email: [n.syakirah@utm.my](mailto:n.syakirah@utm.my), tel: 07-5610235, or visit our website at [ppmu.utm.my](http://ppmu.utm.my).

1. APPLICANT'S PERSONAL PARTICULARS										
Name of Applicant										
Status of Applicant										
			Undergraduate				Master		PhD	
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										
			Cash				EFT			
			Log Card				Invoice		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										
Type of Sample										
			Solid				Powder		Gel	
			Liquid							
Type of Graph										
			TGA							
			FTIR							
Purge Gas										
			Purified air							
			N <sub>2</sub>							
Heating Rate (°C/Min)										
			10				20		30	
			40							
			50							
Range of Heating Temperature (30 °C – 1000 °C)										
			Start		[ ] °C		End		[ ] °C	
Other Condition (Please specify if the sample need to switch the purge gas, hold temperature, heating rate)										
Return sample										
			Yes							
			No							
3. SAMPLE INFORMATION FTIR										
No	Samples Label and Information	Structure Formula of Sample	Type of Graph ( Please tick / )		Please Specify any Result Expectation (spectral range)					
			Absorbance	Transmittance						
1										
2										
3										
4										
5										