



**PSG Institute of Technology and Applied Research**

**Neelambur, Coimbatore – 641 062.**

**Polymer Engineering Laboratory**

**REQUISITION FORM FOR THERMOGRAVIMETRIC ANALYSIS (TGA)**

1. Name of the User (Mr./ Ms. / Dr.) :  
Designation & Dept./Division
2. Internal (PSG iTech) / External /Industry :
3. Institution / Industry name and address :
4. Email ID :
5. Phone No. / Mobile No. :
6. Purpose UG / PG / Ph.D Work / Research / Others(Please mention):
7. Number of Samples :
8. Nature of Sample : Powder / Resin / Liquid / Fiber / Film / Others
9. Type of sample : Organic / Inorganic
10. Temperature range : Room temperature to \_\_\_\_\_ °C / N<sub>2</sub> atmosphere
11. Heating rate (standard 20°C/min) : Specify \_\_\_\_\_ (Check charges for lower heating rate)
12. Sample decomposition temperature :
13. Amount paid (including 18% GST) :
14. Billing address (provide GST if any) :

Certified that the request is for academic/research purpose. Further, it is certified that the sample(s) do not pose a health risk.

Date:

Signature of the User

Signature of the Guide/

Head of the Department

For office use only	
Ref. No.	Job carried out by:Mr./Ms./Dr.
Mode of payment :	
Job completed on :	Remarks:

## Rules and Charges for using TGA facility at PSG iTech

1. Services can be availed on charge basis.
2. Prior registration with advance payment is essential to avail the facilities.
3. Appointment will be given as per queue
4. For a better analysis basic details about the sample to be provided.
5. Bank details for NEFT/RTGS: Central Bank of India, **A/c. No.1481267447**,  
**IFSC code: CBIN0280913** / DD or cheque drawn should be in the name of “PSG Centre for Sponsored Research and Consultancy” **OR** G-pay to the above account. (**Payment confirmation to be attached along with requisition form and samples**)
6. The samples may be sent by courier along with payment details. Results will be sent by email and receipt may be collected later.
7. All the tested samples will be destroyed after testing immediately.
8. Analysis charges

User	Testing Conditions*	Charges#
Academic institutions	RT to 900°C	Rs.1000/- per sample
Research Centre / Industry	RT to 900°C	Rs.3000/- per sample
*Heating rate of 20°C/min (Charges vary for lesser heating rates; Contact in-charge)		
#18% GST to be added along with the charges		

Researchers from various institutions are welcome to use these facilities. Those who want to avail these facilities are requested to fill the job requisition form (Downloadable from website: <http://www.psgitech.ac.in/testing.php>) and **submit the form along with samples** to:

**Dr. K. Balaji, Associate Professor, Polymer Engineering Laboratory, Department of Chemistry, PSG Institute of Technology and Applied Research, Neelambur, Coimbatore – 641 062.**

E-mail: [analysis@psgitech.ac.in](mailto:analysis@psgitech.ac.in)

**Experimental method:**

Specifications

Atmosphere : Nitrogen atmosphere

Equipment Make & Model : **PerkinElmer, TGA 4000**

Software : **Pyris Software**

Sample required : **10-30 mg Sample is required for analysis.**

**Caution**

Samples should be **non-toxic, non-explosive and non-corrosive.**

Please ensure sample **do not build up vapour pressure on heating.**

**TGA measurements can be done only 50°C less than the decomposition temperature of the sample.**