PSG Institute of Technology and Applied Research

Neelambur, Coimbatore – 641 062.

Polymer Engineering Laboratory

REQUISITION FORM FOR DIFFERENTIAL SCANNING CALORIMETERIC (DSC) ANALYSIS

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. Testing required : Only Heating cycle / Both Heating & Cooling cycle

11. Temperature range (-25ºC to 400ºC) / (RT to 400ºC): Specify _____(Check charges)

12. Heating rate (standard 10ºC/min) : Specify _____(Check charges)

13. 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. Mode of payment :	Job carried out by:Mr./Ms./Dr.
Job completed on :	Remarks:

Rules and Charges for using DSC 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# per sample**
Academic institutions	RT to 400ºC / Only Heating cycle	Rs.1000/-
	RT to 400ºC / Both Heating & Cooling cycle	Rs.3000/-
	-25ºC to 400ºC	Rs.4000/-
Research Centre / Industry	RT to 400ºC / Only Heating cycle	Rs.3000/-
	RT to 400ºC / Both Heating & Cooling cycle	Rs.5000/-
	-25ºC to 400ºC	Rs.6000/-
*Heating rate of 10ºC/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

Experimental method:

Specifications

Atmosphere : Nitrogen atmosphere

Equipment Make & Model : **PerkinElmer, DSC 6000**

Software : **Pyris Software**

Crucible available: **Aluminium 30/40µl**

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**.

DSC Measurements can be done only 30ºC less than the decomposition temperature of the sample.