



## **Thermogravimetric Analysis (SDT-Q600)**

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### **Instruction to Users**

- ✓ Payment for TGA analysis is through online mode. Payment link and charges for different category of users are indicated. Payment once done cannot be reversed or refunded. Hence the user is advised to go through the tariff indicated, instructions about sample condition and type, and make the payment accordingly.
- ✓ Additional charges will be applicable for slow-heating/cooling rate other than the standard (20°C/min). Please contact us for sample charges for this additional request.
- ✓ User is mandated to send the samples along with the filled TGA form and payment receipt. The slot will get confirmed only after receiving the aforementioned details.
- ✓ Data or the images will be sent by mail or CD and not to pen drive.
- ✓ User is requested to duly acknowledge “**TGA (SDT-Q600), VIT**” in all publications of research work. Kindly send us the publication references (Journal name/volume number/names of the authors/date of issue of the publication, etc.). If acknowledgement is done for M.Sc./M.Phil. Project dissertation, please send us a copy of the title page and acknowledgment page.
- ✓ For any clarifications, please send E-mail to [tga@vit.ac.in](mailto:tga@vit.ac.in) or call to **0416-2202463**

### **Instruction about the sample**

- ❖ Quantity of sample must be minimum **10-15 mg** and should be in **dry powder form**.
- ❖ **Liquid, gel, polymer, halogenated compounds (F, Cl, Br, I), explosives, poisonous samples and samples giving rise to toxic/obnoxious gas; fumes on heating cannot be accepted for TGA analysis.**
- ❖ Samples which could affect the TGA instrument and sample pans (sample holder) will not be accepted for analysis.
- ❖ If the submitted samples were observed to have affected the instrument and pans, we will not be able to do the analysis for similar type of samples, any further.
- ❖ Additional charges will be levied in case of any damage/contamination of crucible due to nature of the samples.