



THERMO GRAVIMERIC ANALYSIS (TGA)
SCHOOL OF ADVANCED SCIENCES (SAS)
TGA LAB (TT-343)



Make	: TA Instruments, USA
Model	: SDT Q600
System Design	: Horizontal Balance & Furnace
Furnace Type	: Bifilar Wound
Temp. Range	: Ambient to 1200 °C
Heating Rate	: 5 to 30 °C/min
Inert Atmosphere	: Nitrogen or Zero Air gas
Sample Pans	: Platinum (110 µL) : Alumina (40 µL, 60 µL)

ABOUT THE INSTRUMENT

- 1) Thermogravimetry measures the amount and the rate of weight changes of a material with respect to the temperature or time in a controlled inert atmosphere (Nitrogen or Zero Air).
- 2) TGA can quantify decomposition temperature, thermal stability, weight loss due to moisturizer and solvent, weight % filler, decarboxylation, oxidation and weight % ash.
- 3) Samples generally studied include organic/inorganic compounds, food/biological samples, etc.

Charges per sample (including all the taxes)

Internal : Rs. 150 (RT-800 °C) & Rs. 450 (RT-1200 °C)

External : Rs. 500 (RT-800 °C) & Rs. 750 (RT-1200 °C)

Industrial's: Rs. 1500 (RT-800 °C) & Rs.1800 (RT-1200 °C)

Additional charges will be levied for slow heating/cooling rates other than standard (20°C/min). Minimum 10-15 mg of sample

CONTACT US

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TGA Sample Submission Form Link: <https://vit.ac.in/school/facilities/sas>

Online Payment Link: <https://labpayments.vit.ac.in/>

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