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# Thermogravimetric Analysis

AMOUNT AND RATE OF MASS CHANGE OF A SAMPLE AS A FUNCTION OF TEMPERATURE OR TIME

## DESCRIPTION

Measurements are used primarily to determine the composition of materials and to predict their thermal stability at temperatures up to 1200°C. The technique can characterize materials that exhibit weight loss or gain due to decomposition, oxidation, or dehydration.

## AVAILABLE EQUIPAMENT

- TGA 5500 Discovery Series, TA Instruments

## ADVANTAGES

- Minimal sample size and preparation
- Qualitative or quantitative analysis
- Analysis of mass loss thermal events from physical and chemical changes of materials

## APPLICATIONS

Thermal stability | Compositional analysis | Oxidative stability | Quantification of volatiles/moisture | Screening of additives | Residue and filler content |

## CONTACT US

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