

## Dedicated training course on industrial site



The training courses at industrial site are dedicated for engineers and technicians (maximum 8 persons) working in a same laboratory, a same company (or companies from a same group) and using one or more techniques of thermal analysis and calorimetry.

### A dedicated training course is built with the laboratory and includes the following items according to the needs:

- ▶ one or more techniques of thermal analysis and calorimetry used in the laboratory (principle, description, experimentation)
- ▶ one or more different types of instrument
- ▶ the fields of applications
- ▶ the types of measurement (melting, crystallisation, transition, purity, reaction, heat capacity, kinetics)
- ▶ the calibration techniques
- ▶ the standards and reference materials
- ▶ the interpretation of experimental curves, ...

### The training courses at industrial site are offered for the following techniques :

- ▶ DTA (Differential Thermal Analysis)
- ▶ DSC (Differential Scanning Calorimetry)
- ▶ TGA (Thermogravimetry Analysis)
- ▶ Combined TG-DTA, TG-DSC
- ▶ TGA coupling with gas analyzers (mass spectrometry, infra red spectrometry)
- ▶ Very High Sensitivity Calorimetry
- ▶ Reaction and Mixing Calorimetry
- ▶ High Temperature Calorimetry (Drop)
- ▶ TMA (Thermomechanical Analysis)

### and for the following applications fields :

- ▶ Plastics, polymers, elastomers, resins, composites, paintings
- ▶ Chemicals, pharmaceuticals, cosmetics, petrochemicals
- ▶ Foods, biochemical products
- ▶ Minerals (cement, plaster, glass, ...), ceramics
- ▶ Metallic and metallurgical products
- ▶ Explosives, pyrotechnics, propellants, coal

### Some industrial references :

- ▶ Lipha Merck
- ▶ Sanofi Synthelabo
- ▶ Adiseo
- ▶ Galderma
- ▶ Cogema
- ▶ La Mesta Chimie
- ▶ Saint Gobain Recherche

**For any further information please contact :**

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*The First Choice for Challenging Thermal Analysis and Calorimetry Applications*