

# Composition Analysis

---

Identification and analysis of the different components of polymeric materials, including polymers, fillers, plasticizers and other additives, in simple or complex samples.

## Technical Specifications

Technique / Measurement	Analysis Mode	Sample
FTIR — Transmission	Transmission	Thermoplastics, fillers, plasticizers, pyrolysis products of rubbers, non-polymeric solids and liquids
FTIR — Reflection (ATR)	Reflection (ATR)	Thermosets, coatings
Microspectroscopy FTIR — Transmission	Transmission	Multilayer films
Microspectroscopy FTIR — Specular reflection and ATR	Specular reflection and ATR	Small samples, contaminants, fibres
NMR	300, 400 and 500 MHz equipment; H, C and P nuclei	Liquid, solid and melt state analysis
TGA-FTIR	Transmission	Polymers
GC	Detector FID	Quantification of: paint solvents, furfuryl alcohol in phenolic resins, etc.
Polymer Analysis — Component separation	Separation of polymer, filler, plasticizer	Thermoplastics
Polymer Analysis — Filler content	Determination of filler content	Thermosets

---

Contact: [alba.gonzalez@ehu.es](mailto:alba.gonzalez@ehu.es) | [polymat@ehu.es](mailto:polymat@ehu.es)