



Chemical and Physico-Chemical Characterization Studies

Any new substance that has to be approved for use needs to be characterized with information about its identity, composition, spectra and physico – chemical properties, etc.

Eurofins provides a wide range of techniques for performing these studies according to GLP regulations

Available techniques:

- I.R. spectrometry
- NMR (H & C₁₃)
- Mass spectrometry
- UV-VIS spectrometry (with calculation of specific and/or molar absorption at maximums)
- Melting/freezing point
- Boiling point
- Relative density
- Vapor pressure
- Surface tension
- Water solubility
- Liposolubility
- Hydrolysis as a function of pH
- Dissociation constant in water
- Distribution coefficient (n-octanol/water)
- Viscosity.
- Inflammability (liquids, solids, gases and contact with water).
- Pyrophoric properties of solids and liquids
- Explosive properties.
- Self-ignition temperature (liquids, solids and gases)
- Oxidizing properties

