

ANALYTICAL METHODS

Services

Method development and validation
Trace and ultra-trace analysis (pesticides, endocrine disruptors, biological markers, ...)
Active ingredients / impurity analysis
Toxicokinetic study
Qualitative analyses of complex structures
Identification and quantification of organic compounds in complex matrices at ultra-trace levels
Structural identification of organic compounds (impurities, metabolites, unknown compounds, ...)
Five batch analyses
Active ingredient profiling
Storage stability studies
Analytical standards characterization (preparative HPLC)
Anti-counterfeit effort analyses

Capabilities

Mass spectrometry
Liquid chromatography
Electrophoresis
Ion chromatography
Gas chromatography
Nuclear magnetic resonance
Infrared spectroscopy
Absorption and emission spectrometry
Instrumentation for sample preparation
Objective colour measurements
Particle size distribution
TGA / DSC

Physico-chemical tests

State of substance (20 °C and 101.3 kPa)
Melting/freezing point EU A.1/OECD 102
Boiling point EU A.2/OECD 103
Relative density EU A.3/OECD 109
Vapour pressure EU A.4/OECD 104
Surface tension EU A.5/OECD 115
Water solubility EU A.6/OECD 105
Partition coefficient n-octanol/water EU A.8/OECD 107 + OECD 117
Flash point EU A.9
Flammability EU A.10
Flammability (contact with water) EU A.12
Pyrophoric properties of solids and liquids EU A.13
Explosive properties EU A.14
Relative self-ignition temperature for solids EU A.16
Oxidizing properties (solids) EU A.17
Dissociation constant OECD 112
Viscosity EN ISO 3140
Solubility in organic solvents CIPAC MT 181
and other...

Quality systems

EN ISO/IEC 17025, Good Laboratory Practise, Good Manufacturing Practise , ISO 9001:2008