

ELEMENTAL ANALYSER

FABRICANT : Perkin Elmer

MODÈLE : Series II 2400

Characteristics

- Qualitative and quantitative analyses of carbon, hydrogen, nitrogen, sulphur and oxygen in organic or other matter
- Combustion of solid samples in a pure oxygen environment and measurement of combustion gases
- Combustion temperature of 100 to 1100°C
- Separation of gases by frontal chromatography
- Detection limit: 0.001 mg
- Unit's sensitivity: 0.001 to 6 mg depending on the elements to be analyzed
- Thermal conductivity detector

Samples

- Solids (soil, compost, nanomaterials, materials, sludge, etc.) or liquids
- Size of samples: 1.5 to 2.5 mg

Examples of applications

- Measuring elements in samples of soil, nanomaterials, materials and polymers, etc.
- Measuring composting effectiveness
- Evaluating the deterioration of some materials
- Proportion of CHNS in carbons, grains, juices, molasses, etc.