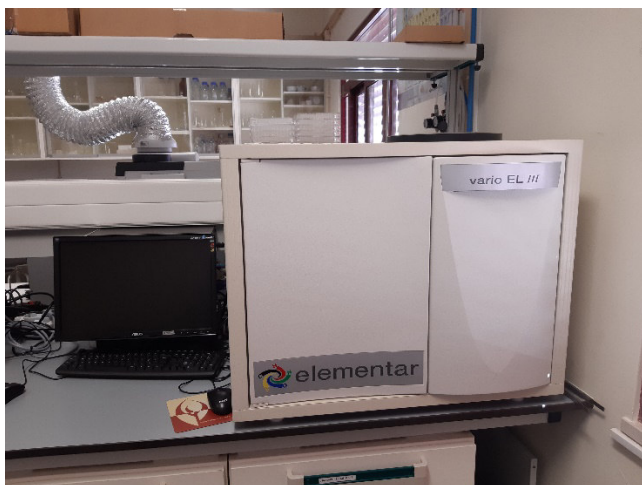




Elemental Analyser



TECHNICAL DETAILS

Manufacturer: Elementar

Model: Vario EL III

Extras: -

HOW IT WORKS?

Allows determination of carbon, hydrogen, and nitrogen contents in solid samples.

The elementary analyzer works according to the principle of catalytic tube combustion in an oxygenated CO₂ atmosphere and high temperatures.

The homogenized sample is packed in tin or silver foil, weighed with precision, and placed into the carousel of the automatic sample feeder.

After the combustion of the sample, the product gas molecules (N₂, CO₂) are separated from each other with help of specific adsorption columns and determined in succession with a thermal conductivity detector.

The running time of a sample is around 12 minutes for CHN total determination.

APPLICATIONS

The Vario EL elemental analyzer is used for quantitative analysis of C, H and N of solid samples, for example biological, sediments, fibreglass filters or others.

ANALYSIS REQUIREMENTS

Solid homogeneous samples (samples should be completely dried and well homogenized -below 0.25 mm). 1 - 100 mg per sample is required.

ACCESS CONDITIONS

Remote