

CHNS Elemental Analyser

Make: Elementar

Elementar Model : Vario EL III

Lower detection limit : 0.1 μ g (N), 0.5 μ g (CHS)

Accuracy : 0.05%

Analysis time : 10 to 14 minutes

Carrier gas : Helium (purity 99.999 %)

combustion gas : oxygen O² ; purity 99.999 %

Detector : Thermal Conductivity Detector (TCD)

Software : WinVar



Description :

The elementary analyzer **vario EL** works according to the principle of catalytic tube combustion in an oxygenated CO² atmosphere and high temperatures. The combustion gases are freed from foreign gases (for instance volatile halogen). The desired measuring components are separated from each other with the help of specific adsorption columns and determined in succession with a thermal conductivity detector (TCD). Helium (He) serves as flushing and carrier gas.

Application:-

Estimation of Carbon, Hydrogen, Nitrogen and Sulfur in Drugs, Pharmaceutical and Polymers.