

CHNS Analyzer

Make: Elementar, Germany

Model : UNICUBE+

Applications:



The CHNS(O) Analyzer find utility in determining the percentages of Carbon, Hydrogen, Nitrogen, Sulphur and Oxygen of organic compounds, based on the principle of "Dumas method" which involves the complete and instantaneous oxidation of the sample by "flash combustion".

Specifications:

High-temperature combustion unit:

Complete sample digestion at up to 1,200 °C (or 1,800 °C at the point of combustion when tin foil is used) with a ten-year furnace warranty. A jet injection of oxygen directly to the sample leads to the highest oxygen concentrations at the point of combustion, as well as low gas consumption. 100 % recovery is guaranteed even for samples that are traditionally hard to combust.

Purge and trap chromatography:

Separation of gaseous components via our TPD column. This column releases individual gases at different temperatures. The release of a gas is only initiated when the prior gas peak has reached baseline. This results in perfect peak separation without overlap, and automatic optimization of the analysis time.

Tariff	Tariff for NITW Students	External Academic (18 % GST Extra)	Industry (18 % GST Extra)
		Per Hour	Per Hour