

C-H-N-S-O ANALYZER



Make	Model
Perkin Elmer, U.S.A	2400 Series II

Small Description:

CHNS/O Elemental Analyzer Perkin Elmer PE 2400 Absolute CHN, CHNS, O modes of operations; Accuracy: + 0.3%; 60 samples autosampler, Analysis/estimation of C, H, N, S, O in solid samples .

- ❖ Used for determination of Carbon, Hydrogen, Nitrogen, Sulphur and Oxygen contents in organic compounds and their presence if any in inorganic compounds
- ❖ Fastest technique to analyze C, H, N, S & O
- ❖ The analysis time is around 8 to 10 minutes per sample
- ❖ Auto sampler achieves unattended automatic sampling of 60 samples.
- ❖ CHNS/O analyzer PE-2400 series II works on frontal chromatography technique for separation and estimation of C, H, N, S and O elements in a sample.
- ❖ The analyzer has three mode of operation namely CHN, CHNS and O for respective elemental analysis
- ❖ Typical analysis accuracy of 0.3% and analysis time of 8 to 10 minutes per sample

Specifications:

- ❖ Analyzed Elements: Carbon, Hydrogen, Nitrogen, Sulfur and Oxygen
- ❖ Operating Mode: CHN, CHNS and OXYGEN

- ❖ Accuracy: 0.3% abs
- ❖ Analysis Time: 6 to 8 minutes per sample

- ❖ Automatic Weight Transfer
- ❖ Sample Size: 1 to 200 mg
- ❖ Multiple Sample Mode if required: 60 samples
- ❖ Sample Combustion Temperature: Around 2000 ° c.

Applications:

- ❖ Used for knowing the concentration & percentage of C,H,N,S & O in newly synthesized compounds, quality control, metallurgical samples, catalysts, petrochemicals etc depending upon the values of these, products can be identified
- ❖ The best solution for the analysis of Organic compounds, Pharmaceuticals, Petrochemicals, Gasoline & Flues, Coal &Coke, Graphite, Carbides & Nitrides, Polymers
- ❖ Chemistry and pharmacy Fine chemicals, Medicine, Fertilizers, Catalyst
- ❖ Agriculture products Plants and leaves, Wood, Food products, Dairy products, Tobacco