

CHNS & Oxygen analyzer

원소분석기 (탄소, 수소, 질소, 산소, 황)

Carbon, hydrogen, nitrogen, oxygen and sulfur are the basic elements of living nature. Their quantitative determination within the most versatile combination of substances is the origin and essence of the CHNS analyzer.

Through quantitative high temperature decomposition, solid or liquid substances are changed into gaseous combinations. The gas mixture is cleaned and separated into its components and through efficient detectors determined with a precision and accuracy of up to 0.1% relative.

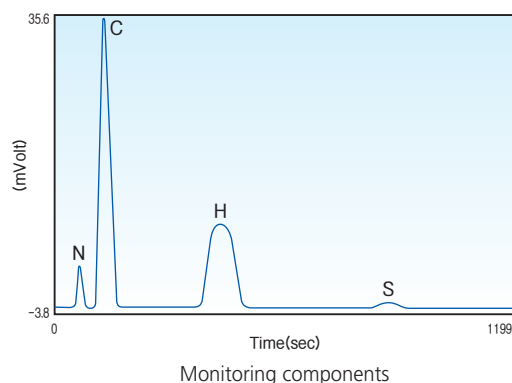
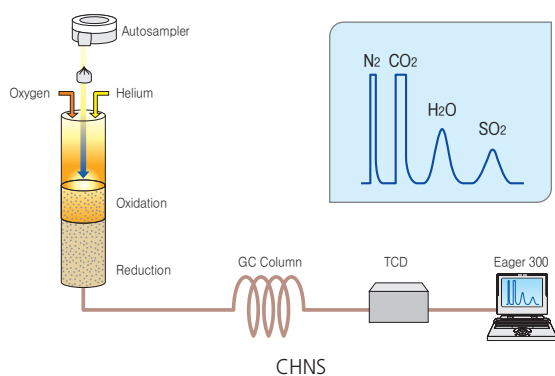
Model

CHNS : FLASH 2000 (Thermo SCIENTIFIC, England)

O : EA1108 (Fisons Instrument, Italy)

Specifications

- Accuracy : < 0.3 %, absolute
- Precision : 0.2 % on C, S, O
0.1 % on H, N
Sample size : 0.5~500 mg
- Autobalance, simultaneous C, H, N, S



Location L2334 Tel.02-958-6830

Applications

Provides C, H, N, O and S elements determination in various organic matrices such as foods, meats, feeds, oilseeds, plants, pet foods, milling products, soils, and fertilizers

Organic Materials

	N %	C %	H %	S %
dl-Methionine	9.41	40.24	7.43	21.42
RSD%	0.39	0.29	0.32	0.49
Theoretical value	9.39	40.25	7.43	21.49
BCR 71	10.86	40.55	2.32	8.18
RSD%	0.495	0.236	0.51	0.88
Theoretical value	10.85	40.39	2.37	8.30
BCR 72	9.647	36.13	2.078	7.344
RSD%	0.35	0.09	0.40	0.91
Theoretical Value	9.65	36.13	2.10	7.35

Sample weight: 2 – 3 mg

No. of analysis: 10

BCR 71: N-(4-bromophenyl)-N'-(2-chloro-4-nitrophenyl) thiourea

BCR 72: N-(2-chloro-4-nitrophenyl)-N'-(2-iodophenyl) thiourea

