



Environment, soil, geology, marine science



Organic chemistry, pharmacy



Food analysis & security



Petrol chemistry, coal, energy



Quality control


Carbon, Nitrogen and Hydrogen in medicines


Instrument: ECS 8020

Mode: CHNS


Pretreatments: none



 Via Milano, 15/A - 20060 Bussero (MI), Italy

 Phone: +39 02 950 34 69

 www.nctechnologies.it

 info@nctechnologies.it

NC TECHNOLOGIES
Innovative Elemental μ -Analysis

Carbon, Nitrogen and Hydrogen in medicines

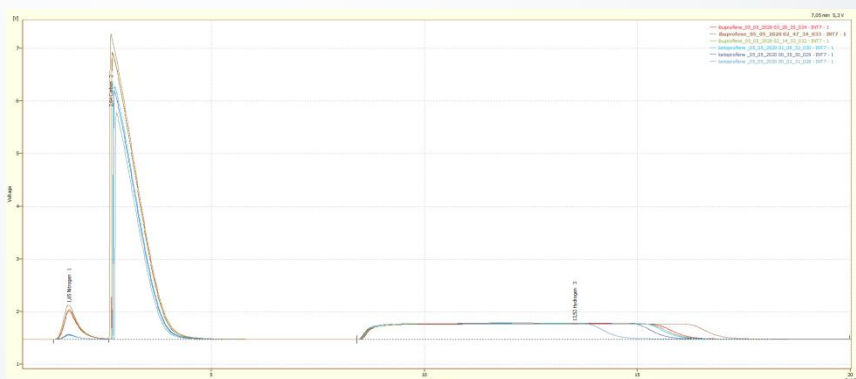


Active principles and excipients studies are always on going in order to improve performances and minimize the side effects on human body. The studies involve the characterization of molecules and their reactions or interactions. There are several techniques used for these aims, ranging from different chemical, physical and biological analyses. The elemental analysis is one of the basic technique involved in chemical structure investigations or interaction with other molecules, functionalization of functional groups and production processes. One of the most common application is the determination of elements like carbon, nitrogen and hydrogen to be compared to the designed chemical structure. ECS8020 demonstrated a perfect attitude in medicines analysis.

Sample	Carbon	Nitrogen	Hydrogen
Ibuprofen based	46.1±0.5	6.45±0.27	6.77±0.01
Ketoprofen based	41.3±0.1	1.07±0.01	7.7±0
Average accuracy	0.73	2.4	0.05

All reported values unit: %

- ✓ Configuration: CHNS
- ✓ Furnaces: no. 2
- ✓ Sampler: Pneumatic
- ✓ Chemical standard: Sulphanilamide



To send your samples for free demonstration analyses:
info@nctechnologies.it

For analytical and technical questions:
customerservice@nctechnologies.it

