

Soxtec 2055



Technical description:

The Soxtec Avanti 2055 extraction system makes it possible to perform extractions using a wide range of solvents, in a faster, safer and more economical way compared to Soxhlet extraction. Extraction time is reduced

to 20% of Soxhlet extraction time, and solvent recovery is up to 90%. The combination of the Soxtec extraction technique and a wide range of solvents makes the Soxtec Avanti 2055 extraction system a flexible tool in the analysis of soluble compounds in materials such as food, feed, soil, rocks, fibers, chemical products and pharmaceuticals.

Trade name: Soxtec AVANTI 2055 extraction system

More details: </equipment/soxtec-2055/>

Access type: External

Type of accreditation / certificate: Not applicable

Contact person: Więclaw Dariusz

Contact person url: <https://skos.agh.edu.pl/osoba/dariusz-wieclaw-3652.html>

Responsible body: Department of Environmental Analysis, Geological Mapping, and Economic Geology

Group / laboratory / team: Wydziałowe Laboratorium Geochemii Organicznej i Analiz Środowiskowych

Last update date: May 24, 2023, 2:23 p.m.

Year of commissioning: 2010

IDUB research areas:

(PRA 3) Water-energy-climate: interdisciplinary approach to sustainable development

Research capabilities:

Programmable and semi-automatic extraction. Time: depending on application (from 40 min to 5 hrs.), typically 1-2 hrs; Capacity per batch: 6 samples; Sample weight: up to 30g; Measuring range (for fat): 0.1-100%; Heating-up time: From 20-280°C in 7-9 min; Solvent volume per sample: 70 - 90 ml; Accuracy: $\pm 1\%$ relative.

Measurement capabilities:

not applicable

Conditions for providing infrastructure:

In accordance with the Laboratory regulations available on the website <http://www.orgchem-lab.agh.edu.pl/>