

G100 Automated Filter Bag Fat Extractor

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Overview

The filter-bag fat extractor is a kind of auto determining instruments on the analysis of the crude fat, specially designed on the basis of Soxhlet Extraction Principle and the Ultra-micro filter-bag technique. Under the microcomputer control, the extractor can realize its control of the temperature, pressure, and progress through the whole extraction procedure, and automatically process at most 10 samples per batch.

Features

- Filter-bag method keeps samples in the same sealed filter bag during weighting, processing, drying and washing, no sample transfer, no weight loss. Increases precision and accuracy.
- Up to 10 samples simultaneously per test, 75 samples per day.
- Support Soxhlet type extractions.
- High-temperature extraction, accelerate extraction time.
- Singlesolvent circulation system boosts solvent concentration during extraction and doubles extraction efficiency.
- Temperature control, solvent recovery and pre-drying, No advanced training required.
- Solvent Recovery at a rate of $\geq 90\%$, no fume and solvent leakage during extraction.
- Automatic Solvent Recycling, no Vent-hood Required.
- Closed extraction vessel, Sealed for diethyl ether, Petroleum Ether and Hexane. safer for operator.

Specifications

Measuring range	0.1-100%
Capacity per batch	Up to 10
Sample size	0.1-5 g
Temperature range	Ambient-105 °C
Solvent recovery rate	$\geq 90\%$
Repeatability	RSD $\leq 1.0\%$
Solvent adding	Manual
Power consumption	500 W
Power supply	AC 220 V, 50 Hz
Dimensions	500×300×660 mm
Weight	30 kg

All technical parameters are subject to change without notice.

Applicable standards

AOAC 2003.05 · AOAC 991.36 · ISO 1444:1996 · ISO 11085:2008 · GB/T 15674-1995 · ISO 6492:1999 · ISO 3947-1994

Application fields

With the measuring range of 0.1~100%, the determinator is applied to the fat determining of the food, forge, grain, seed and various samples Oil and grease extracting from the waste water, sludge and etc The extraction of the semi-volatile organic compounds, insecticide, herbicide and etc from the soil The extraction of the plasticizer from the plastic, rosin from the paper and paperboard, grease from the leather, and etc Preprocess the sample before digestion, which is of liquid chromatography and gas chromatography The extraction of the soluble compounds and the determination of fat.

Specifications as published at www.sino-sonnen.com. Final configuration is confirmed per order — request a quotation: info@sino-sonnen.com · R&D: Jiading District, Shanghai · Manufacturing: Luoyang, Henan, China