

Raw fiber extractors

FIWE 3

There are several analytical methods use for the determination of raw fiber (or its components) in food and feed sectors. Among them, Weende Method and the AOAC method for determination of total raw fiber, and furthermore Van Soest methods for Ndf (neutral detergent fiber) and Adf (Acid detergent fiber). Finally the methods to determine the single components of the fiber (cellulose, lignin,..).

VELP Scientifica has developed the extraction unit FIWE 3 with 3 places, a flexible solution able to satisfy all above mentioned analytical needs.

This instrument is able to optimize the operator's manuality, to drastically reduce the analysis time, by assuring absolutely reliable results. FIWE unit allows to perform the analysis in the operational standardized conditions requested by the official methods.



Technical Data

GENERAL FEATURES

Construction material:	epoxy painted stainless steel structure
Number of samples:	3
Digital timer:	0 - 99 minutes with acoustic signal at the end of the cycle
Type of extractions:	cold and hot extractions
Sample removal:	air pump
Reagent discharge:	peristaltic pump
Temperature:	electronic regulation
Reagents and coolong water :	separated outlets
Samples:	individually processed
Power:	900 W
Power supply:	115 V or 230 V / 50-60 Hz
Weight:	35 Kg (77 lb)
Dimension (WxHxD):	530X620X390 mm (20.9x24.4x15.4 in)

PERFORMANCES

Sample quantity:	from 0,5 to 3 g
Reproducibility (RSD):	± 1%

APPLICATIONS

- Raw fiber (Weende, Wjstrom)
- Neutral or acid detergent treatment fiber (Van Soest)

Lignin, Cellulose, Hemicellulose
Complete of :



Heat shield



PVC tube



3 glass crucible



2 places hot
plate, type RC2



Reagent glass
bottles



Pincer for
crucibles



Holder for three
crucibles



Inlet tube

Optional Accessories:



A00001135

Water spray
device



A00000140

Glass crucible
P2 6pcs/box

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