

FIBREBAG - THE REVOLUTION FOR CRUDE FIBRE ANALYSIS, ADF AND NDF

The introduction of the revolutionary FibreBag System by Gerhardt means that the tedious and time-consuming stages usually associated with this determination process like e.g. Weender, van Soest and others, can be reduced to a minimum. Space as well as the consumption of energy and chemicals is reduced to a sixth of the traditional methods. At the same time the conformity to the methods is maintained.

Comparison to the Standard Method

When working with the standard method, the samples are de-fatted individually, boiled in undiluted sulphuric acid, filtered and boiled in undiluted potassium hydroxide solution, rinsed again, dried and ashed in an oven. The amount of time required for this method is enormous, not to mention the amount of space needed.

The FibreBag Method

The new FibreBag system uses a fine porous mesh bag, into which the sample is weighed. A spacer is put into each bag, to allow the reagents to flow freely into the bag. The second part of the system is a carousel, which holds up to 6 sample bags. The carousel is now placed into a one-litre glass beaker using the handle, which also helps to take the carousel out again later on. Simultaneously, the six samples can be de-fatted, boiled in sulphuric acid, rinsed, boiled in potassium hydroxide solution, rinsed again, lifted out and dried.

The rinsing step being so tedious on the traditional method is so simple when working with the FibreBags: hot water is poured on the open bags from above. At the end of the last rinsing step, the spacers are taken out carefully and the sample residue is rinsed again. The bags are then put into porcelain crucibles, dried in the muffle oven, weighed and then ashed. The FibreBag material will dissolve without leaving any trace. The ash remaining is weighed and deducted from the sample weight taken after initial drying. From these weights the crude fibre content of the sample can be accurately determined.

Gerhardt offers 3 systems for a special package price. For low sample throughput we recommend the basic pack for up to 6 samples simultaneously. For high sample throughput we recommend the 24-place or the 36-place system, with serial heating plates. All system components can also be ordered individually



Further details and product literature is available from:

C.Gerhardt GmbH

Bornheimer Straße 100

D - 53119 Bonn

Tel.: int + 49 228 98179-0

Fax: int + 49 228 98179-60

Web: <http://www.Gerhardt.de>

Email: info@Gerhardt.de

Press Release issued for C.Gerhardt GmbH by:

Andrew Harvey -

Harvey Communications - UK

Tel: int + 44 1342 714447.

Fax: int + 44 1342 713233.

Email: harvey@harveycomms.co.uk

Analytica - Munich

April 2002 - Hall B1 - 251