

## Automatic fibre estimation system

### Description

**Make:** Pelican

**Model:** FIBRAPLUSFES08AS

**Specification:-** It can be used for determination of crude fibre, NDF, ADF, ADL, Cellulose, Hemicelluloses, Lignin & related parameters (In accordance with weende, van soest and other recognized methods) It helps in absolute determination with efficient suction mechanism. It has inbuilt electrically operated air pump for declogging, It is Microprocessor based having digital temperature controller.



### Working principle

Fibre refers to the residue of a feed that is insoluble after successive boiling with dilute acid and alkali. In the Weende's method when the sample is subjected to acid and alkali digestion, we obtain a residue comprising ash (mineral matter) of the feed and the resistant fraction of carbohydrate. When the residue is ignited the organic matter gets oxidized leaving the inorganic residue or ash. Thus the difference in weight of the residue before and after ashing gives the weight of crude fibre.

### Applications

1. Food Business Units
2. Food Processing Industries
3. Animal Feed Industries
4. Hotels and Food Restaurants
5. Agro Processing Units
6. Small scale Enterprise
7. Plant products samples

### User instructions

1. Sample must be drawn from a homogenous mixture
2. Sample weight to be in range between 0.2-1g only.

### Contact us

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### Charges

	Cost , Rs.	GST, Rs.	Total cost, Rs.
<b>Farmers</b>	525 per sample	95/-	620/-
<b>Students</b>	525 per sample	95/-	620/-
<b>Other national laboratories/</b>	700 per sample	126/-	826/-

<b>R&amp;D organizations</b>			
<b>Industries</b>	1500 per sample	270/-	1770/-