

# FAT & OIL

METHOD NUMBERS: IDFB-4, EN 1163, CNS 13982-4 L3253-4, GB/T 10288, GB/T 14272, JIS L 1903, KS K 0820



Soxhlet Extractors used for Fat & Oil

## ■ WHAT IS IT?

Fat and Oil measures the amount of lipids (fat and oils) in a sample.

## ■ HOW IS IT DONE?

A sample is placed in a soxhlet extractor. Solvent is boiled and then distilled onto the sample. This process removes the lipids from the material. After the extraction process is completed, the remaining solvent is removed and the lipids are weighed.

## ■ WHAT DO THE NUMBERS MEAN?

Fat and Oil is reported as a percentage. This calculation is based on weight. A range of 0.5 to 1.5% generally thought to be best.

## ■ WHY DO IT?

A certain amount of lipids are required for down and feathers to be resilient. Lipids on down and feathers help them resist water and also protect them.

Down and feathers that do not have enough lipids will become brittle and break apart prematurely. On the other hand, too many lipids will cause an odor that is mostly offensive to consumers.

There are some countries that require a fat and oil range in order to import or export the product.

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