

Aim - Determination of Specific gravity of Fats and Oils

Principle: Specific gravity is the ratio of the weight of a volume of the substance to the weight of an equal volume of the reference substance (water) at a specified temperature.

Materials:

- Specific gravity bottle.
- Fish oil sample.

Procedure:

- Take accurate weight of an empty specific gravity bottle.
- Fill the bottle completely with fish oil and weigh accurately.
- Clean the bottle and fill completely with distilled water and weigh accurately
- Note down the temperature of the liquid

Calculation:

Specific gravity =

Where,

A = Weight of the empty specific bottle.

B = Weight of the specific gravity bottle filled with fish oil.

C = Weight of the specific gravity bottle filled with distilled water.