

**PHARMACEUTICAL ORGANIC CHEMISTRY-II- BP301T**

UNIT: 3 Fats and Oils

CLASS:3

**TOPIC:** Acid value**Acid Value:**

It is defined as the number of milligrams of potassium hydroxide required to neutralize 1 gram of fat (or) oil.

$$\text{Acid Value} = V_{\text{KOH}} \times 5.61 / W$$

$V_{\text{KOH}}$  = Volume of potassium hydroxide.

W = Weight of fat / oil.

**Procedure:**

Weigh accurately a quantity of fat/oil in a conical flask then add 50 ml of ethanol – ether solution shake it well titrate the solution with potassium hydroxide using phenolphthalein as an indicator until pink is obtained.