

## GIMPEX – IMERY'S INDIA PRIVATE LIMITED

### **Determination of Free Swelling Value ( FSV )**

#### **Procedure:**

Weigh the accurately 2 gm of dried bentonite powder and divide the quantity into 20 to 25 approximately parts.

Take each part by the tip of spoon and sprinkle into a graduated cylinder containing 100 ml of distilled water.

Care is taken to see that every particle of bentonite is wetted and settled while sprinkled each time till all 20 to 25 parts are over.

Generally, the time taken for completing is 1 to 2 hours.

The results will be recorded after 1 hours and after 24 hours from completion of the test by noting the volume of gel formed.

#### **Note:**

The Free Swelling Value (Capacity) is measured in terms of volume in ml of gel formed.