Test no. 3

Test for Anti-Evaporation Property

Apparatus and Material Required:

250 ml Beaker – 1 No.
Bard Roll – 100 gram
Petrol – 250 ml
Fire Blanket

Procedure:

Fill the beaker with petrol and introduce flame using a lighter and wait for 5 – 10 seconds for allowing a sustainable flame to develop. Then suddenly arrest the flame using the fire blanket. Observe the thick dense vapours inside the beaker tending to re-ignite. Submerge the Bard roll slowly into the petrol. Notice the disappearance of the dense vapours due to the heat abstracting ability of bard as a result of condensing the vapours back into the liquid petrol.

Test no. 4

Test for Sloshing Motion

Apparatus Required

250 ml beaker – 2Nos
Petrol – 500 ml
Bard roll – 100 grams

Procedure

Take the beaker filled with petrol and submerge the Bard roll into one of them. Place both the beaker on a wheel tray and shake the tray for splashing the petrol in the beaker. Perceive the difference in sloshing movement of petrol in beakers with and without bard installed.

Test no. 5

Calculation to demonstrate that Bard occupies only less than 1.6% of the total volume of the container

1000ml Beaker – 1 No
Bard rolls – 250 gram