Container filled with water to the brim

Test Sheet to determine the desity of a product using the container filled to the brim method

1. Weigh the prepackage and the strike plate and record the weight:

   M**P** =

2. Use a strike plate to ensure prepackage is filled to the brim. Record the weight:

   M**S =**

3. Determine the weight of the test:

   MS – MP = M**SP**

   _____ - _____   = _____

4. Zero the weighing instrument and weigh the packing material (empty package) and the strike plate. Record the tare:

   M**T =**

5. Fill the package to the brim with the distilled water using the strike plate. Record the gross weight of the prepackage and test liquid:

   M**W =**

6. Determine the net weight of the test:

   M**W - MT** = M**WT**

   _____ - _____   = _____

7. Determine the weight of the test liquid that substituted for the product being tested:

   M**WT - M**SP = **weight of test liquid**

   _____ - _____   = _____

8. Determine the volume of product being tested by:

   Weight of test liquid ÷ density of test liquid = volume of product being tested

   ***Note** – distilled water has a density of 1*

   _____ ÷ _____   = _____

9. Determine mass of product by:

   MP – MT = mass of product

   _____ - _____   = _____

10. Determine the Density of the product by:

    mass of product ÷ volume of product being tested

    _____ ÷ _____   = _____