QBB paint specific gravity cup Manual

Use:
This paint specific gravity cup is suitable for measuring the specific gravity of various paints, auxiliary materials, oils and other liquids. The specific gravity cup meets the requirements of the national standard GB/T6750-2007 for this instrument

Equipment and use
1. Precision balance: the specific gravity cup with a capacity of 50m1 to 100ml is accurate to 10mg, and that of less than 50ml is accurate to 1mg (self-provided)
2. Mercury thermometer: 0-50°C scale is 0.2°C (self-provided)

Main technical parameters of specific gravity cup:

Specification (ml)	37	50	100
Measuring temperature (℃)	23±0.5		
Material	Stainless Steel		

Determination steps:
1. Before the test, wipe clean the inside and outside of the specific gravity cup, and after drying, place the specific gravity cup on the tray of the balance and weigh the mass of the specific gravity cup m1.
2. Remove the upper cover of the specific gravity cup, load the sample to be tested close to the mouth of the cup (note that there should be no foam), and cover it. When the excess part of the sample overflows from the small hole in the center of the cover, wipe it with a clean cloth.
3. Gently place the specific gravity cup with the sample on the balance tray to weigh, and record the specific gravity mass m2 of the tested product
4. The specific gravity value is calculated by the following formula

$$\rho = \frac{m2-m1}{V1}$$

Where
m1:The mass of the empty specific gravity cup, the unit is (g)
m2:The mass of the specific gravity cup filled with the sample at the test temperature, in (g)
V1: Specific gravity cup volume at test temperature
When measuring with a specific gravity cup, it is best to sample more than twice and take the arithmetic average