Jaulmes pycnometer

Jaulmes pycnometer is conceived to measure the density of water-alcohol mixtures to determine the alcohol content.

In order to determine the density, the pycnometer, whose mass and volume are known, is filled with the alcoholic solution, and the temperature is regulated to 20°C considering the variations of air pressure.

It is weighed on an analytical balance and compared to a tare of an equal volume of displaced air and a slightly superior mass to that of the full pycnometer, performing air thrust correction.

The corresponding alcohol content is obtained with the correspondence tables (I, II, III, IV of OJ L272).

Jaulmes pycnometer is equipped with a cylindrical body, a ground-joint narrow neck with a precision thermometer, and a capillary tube with ground-joint end tipped with a cap and a capillary.

3 references available:

Ref. 162001 - Jaulmes pycnometer with thermometer at 1/5°C
Ref. 162002 - Jaulmes pycnometer with thermometer at 1/5°C and a standard calibration certificate
Ref. 162003 - Jaulmes pycnometer with thermometer at 1/5°C and official calibration certificate (One of the methods recommended by the OIV for the determination of alcohol content of water-alcohol mixtures).