



C3.1.2 PROPERTIES OF LIQUIDS

C3.1.2.3
Determination of density
according to Mohr-Westphal

C3.1.2.4
Determination of density with
the pycnometer

Determination of density with the pycnometer (C3.1.2.4)

Cat. No.	Description	C3.1.2.3	C3.1.2.4
362 025	Plumb bob	1	
315 011	Hydrostatic balance	1	
315 31	Set of weights, 10 mg to 200 g	1	
382 21	Stirring thermometer -10...+110 °C	1	1
665 754	Measuring cylinder 100 ml, with plastic base	2	2
671 9720	Ethanol, denaturated, 1 l	1	1
666 145	Gay-Lussac pycnometer, 50 ml		1
667 7977	Electronic Balance 440-3N, 200 g : 0.01 g		1

Experiment C3.1.2.3 provides a plummet for determining the density of liquids. The measurement task is to determine the density of ethanol-water mixtures. Using the plummet, the density is determined from the buoyancy that a body of known volume experiences in the liquid under examination.

Experiment C3.1.2.4 provides a pycnometer according to Gay-Lussac for determining the density of liquids. The measurement task is to determine the density of ethanol-water mixtures. The pycnometer is a bulb-shaped bottle into which the liquid under study is filled for weighing. The volume capacity of the pycnometer is determined by weighing with a liquid of known density (e.g. water).