

Steam distillation

Article no: P3031251



Principle

An elegant and simple apparatus for carrying out water vapour distillations: the advantage of this arrangement is that it eliminates the need for a separate vapour generator, making it possible to operate with a single heat source (other set-ups require two). The vapour is generated in the outer chamber and then passes through the inner chamber. Due to the structural arrangement, the inner chamber is heated directly by the vapour generated in the outer chamber. This also eliminates the possibility of overheating the substances being extracted.

Benefits

- No separate steam generator necessary
- Only one heat source needed

Tasks

Extract ethereal oils from parts of plants e.g. orange peel and cloves using steam distillation.

Learning objectives

- Distillation
- Steam distillation
- Etheral oils
- Flavour

Scope of delivery

Support base DEMO	02007-55	1
Support rod, stainless steel, different lengths	02032-00	2
Right angle boss-head clamp	37697-00	3
Universal clamp	37715-01	3
Lab jack, 150 x 150 mm	02074-02	1
Glass jacket	02615-00	1
Distilling insert for glass jacket.	02615-06	1
Cooling jacket, GL 25/8	MAU-27225000	1
Beaker, Boro, high-form	46027-00	1
Glass tubes, right-angled	MAU-10030701	1
Silicone tubing, inner diameter 3 mm	39296-00	2
Hose clip, diam. 8-16 mm, 1 pc.	40996-02	4
Heating apparatus for glass jacket system	32246-93	1
Power regulator	32288-93	1
Boiling beads, 200 g	36937-20	1
Cotton wool, white 200 g	31944-10	1
Lab protecting glasses with UV filter	39315-00	1
Graduated beaker, 1000 ml, plastic (PP)	36640-00	1
Funnel, glass, top dia. 50 mm	34457-00	1
Base plate for support base DEMO	02007-01	1