

BOILING POINT OF A BINARY MIXTURE

Mod. C-AV-26/EV



DESCRIPTION

The boiling point diagram shows the boiling points of a binary mixture according to the liquid vapour equilibrium of the mixture at constant pressure. Through this experiment the boiling points of various mixtures of methanol and chloroform are measured and the composition of the liquid phases are determined using refractometry and the calibration curve.

TRAINING PROGRAM

- Fundamental principles of distillation
- Equilibrium diagram
- Chemical potential
- Raoult's law

COMPONENTS

- Abbe refractometer
- Heating flask
- Heating blanket
- Thermostatic bath
- Glass condenser
- Burettes
- Flasks
- Beakers
- Pipettes
- Funnel
- Water jet pump
- Methanol
- Chloroform
- Glycerine

REQUIRED (NOT INCLUDED)

- EVLAB DATALOGGER mod. EVS-EXP/EV including SOFTWARE EVLAB WORKSPACE mod. SW-C-AV-26/EV for a total control of interactive experiments
- Temperature sensor mod. EVS-15/EV
- PERSONAL COMPUTER



SUPPLIED WITH

THEORETICAL - EXPERIMENTAL HANDBOOK

