

Name:

Date:

SOLUTION PREPARATION BY DILUTION FROM LIQUIDS (5B)

RECORD SHEET

Volume determination of the volumetric flask by using the density of water:

- I. Temperature of water: °C Water density (ρ_{water}): g/cm³
- II. Mass of dry volumetric flask: g
- III. Mass of volumetric flask+water: g
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- IV. Mass of water (m_{water}): g
- V. Volume of volumetric flask: $V_{\text{flask}} = m_{\text{water}}/\rho_{\text{water}} =$

Solution to be prepared:

Formula of solute: Molar mass of solute:

Volume: Composition:

Liquid (Stock solution):

Composition:

Solution density:

Calculated volume:

Measured volume (VI.):

Composition of the prepared solution (from V. and VI.):

VII. Composition:

Relevant calculations:

Safety Data Sheet:

H sentences:

P sentences: