Name: Date:

SOLUTION PREPARATION FROM SOLIDS (5A)

RECORD SHEET

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

    I.   Temperature of water: ..... °C   Water density (ρ_{water}):   .... g/cm^3

    II. Mass of dry volumetric flask: .... g

    III. Mass of volumetric flask+water: .... g

    IV. Mass of water (m_{water}):   .... g

    V.   Volume of volumetric flask: $V_{flask} = m_{water}/\rho_{water} = \boxed{}$

Solution to be prepared:

    Formula of solute: ....   Molar mass of solute: ....

    Volume: ....   Composition: ....

Solid compound:

    Chemical formula: ....

    Molar mass: ....

    Calculated mass: ....

    Measured mass (**VI.**):   ....

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

    VII. Composition: ....

Relevant calculations:

Safety Data Sheet:

    H sentences:

    P sentences: