

Lab Report: Number of Molecules in a Chemical

Procedure

Mass an empty chemical bottle and record the mass below.

Mass the bottle with the chemical and record the mass below.

Make qualitative observations fully and record below.

Results

Chemical name: _____

Chemical formula: _____

Qualitative observations: _____

Mass of the container and chemical (g): _____

Mass of the empty container (g): _____

Calculations

∴ Mass of the chemical (g): _____

Molar mass of chemical (g /mol): _____

Number of mols of the chemical ($n = m/M$): _____

Number of molecules of the chemical ($N = nN_A$): _____

Number of O-atoms in the chemical: _____

Total number of atoms in the chemical: _____

Conclusion: