% Composition

% Comp.: Is the amount of mass of a specific element in a compound relative to its Molar Mass (from the periodic table).

Example: What is the percent composition of hydrogen in water?

1st : get the molar mass.

Molar mass of H2O =

(1.0079 x 2)+(15.999) = 18.0148

From hydrogen From oxygen

2nd: Divide the desired mass by the molar mass of the compound and multiply by 100:

1.0079 x 2 / 18.0148 = .1118 x 100 = 11.18 % Hydrogen