

Problema104: Calcula a composición centesimal do etanol,  $C_2H_6O$

$$M_m(C_2H_6O) = 2 \cdot 12 \text{ g} + 6 \cdot 1 \text{ g} + 16 \text{ g} = 46 \text{ g}$$

$$\%C = \frac{24 \text{ g}}{46 \text{ g}} \cdot 100 = \underline{52,17\% C}$$

$$\%H = \frac{6 \text{ g}}{46 \text{ g}} \cdot 100 = \underline{13,04\% H}$$

$$\%O = \frac{16 \text{ g}}{46 \text{ g}} \cdot 100 = \underline{34,78\% O}$$

Comproba que a suma das porcentaxes debe dar 100%

$$\text{Suma} = 52,17\% + 13,04\% + 34,78\% = 100\%$$