

Problema101: Calcula a composición centesimal do nitrato de sodio, NaNO_3

$$M_m(\text{NaNO}_3) = 23\text{ g} + 14\text{ g} + 3 \cdot 16\text{ g} = 85\text{ g}$$

$$\%Na = \frac{23\text{ g}}{85\text{ g}} \cdot 100 = \underline{27,06\% Na}$$

$$\%N = \frac{14\text{ g}}{85\text{ g}} \cdot 100 = \underline{16,47\% N}$$

$$\%O = \frac{48\text{ g}}{85\text{ g}} \cdot 100 = \underline{56,47\% O}$$

Comproba que a suma das porcentaxes debe dar 100%

$$Suma = 27,06\% + 16,47\% + 56,47\% = 100\%$$