

Hoeveel gram NaOH is nodig om 250,0 mL 0,100 $\frac{\text{mol}}{\text{L}}$ NaOH-oplossing te maken?

Oplossing

250,0 mL 0,100 $\frac{\text{mol}}{\text{L}}$ NaOH-oplossing bevat $250 \cdot 10^{-3} \text{ L} \times 0,100 \frac{\text{mol}}{\text{L}} = 0,025 \text{ mol NaOH}$.

Er is dus $0,025 \text{ mol} \times 39,9961 \frac{\text{g}}{\text{mol}} = \mathbf{1,000 \text{ g NaOH}}$ nodig.