

Answer on Question 75852 in General Chemistry

$$c_M = 4.1 \text{ M}$$

$$V = 147 \text{ mL}$$

$$\text{MW (NaOH)} = 40 \text{ g/mol}$$

$$M (\text{NaOH}) = ?$$

Solution:

To find the molar concentration we use formula

$$c_M = \frac{m}{\text{MW} \times V}$$

$$.m = c_M \times \text{MW} \times V = 4.1 \times 40 \times 0.147 = 24.108 \text{ g}$$

Answer provided by AssignmentExpert.com