

Calculate mass fraction of K in KNO₃, if m(weight) of K=45grams, m(weight) of N=23grams and n(amount of substance) of O=0,58 mol

Solution.

$$m(\text{O}) = 0.58 \cdot 16 = 9.28 \text{ g}$$

$$w(\text{K}) = 45 / 77.28 = 0.582 \text{ (58.2\%)}$$

Answer. 58.2%

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