

Answer on Question #48774, Chemistry, Other

Task:

A student weighed out exactly 7.90 grams of potassium permanganate (KMnO_4), in a beaker. How many moles of potassium permanganate she has?

Answer:

$$v = \frac{m}{M}$$

$$M(\text{KMnO}_4) = 158 \text{ g / mol}$$

$$v(\text{KMnO}_4) = \frac{7,90}{158} = 0,05 \text{ mol}$$

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