

Answer on Question #69355 - Chemistry – General Chemistry

Question:

How many grams of copper are present in 15.2g of 925 silver bracelet?

Solution:

925 silver alloy contains 92.5% silver and 7.5% (the rest) of other metal, usually copper. So we have a proportion:

$$\begin{array}{l} 15.2g \rightarrow 100\% \\ x g \rightarrow 7.5\% \end{array}$$

Then x from this proportion is

$$x = 15.2g \times \frac{7.5\%}{100} = 1.14g.$$

Answer:

There are 1.14 grams of copper.

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