

Question # 83230, answer

How many grams of NaCl are required to make 500 g of a 0.9% (w:w) solution?

Answer:

The label 0.9%(w/w) indicates that 0.9 g of NaCl is present for every 100 grams of solution (by definition). Therefore, amount of NaCl required to make 500 g is $0.9\text{g} \times (500\text{ g} / 100\text{g}) = 4.5\text{ g}$

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