

Exercises (Mass Percent)

1. 5.0 grams of sugar are dissolved in 150 g of water. What is the mass percent of sugar in the solution?
2. A 200-gram solution of alcohol contains 180 g of water. What is the mass percent of alcohol?
3. How many grams of NaBr are needed to make 50 g of a 5.0% solution?
4. How many grams of LiOH are needed to make 25 g of a 4.0 % solution?
5. What mass of NaF must be mixed with 25 mL of water to create a 3.5% by mass solution?
6. An 800 g solution of Kool-Aid contains 780 g of water. What is the mass percent of solute in this solution?
7. What is the mass percent of a solution created by adding 10 g of olive oil to 90 g of vegetable oil?
8. If a 4000g solution of salt water contains 40g of salt, what is its mass percent?