



Calculating Ingredient PPM Solutions for Tasting

For our purposes, 100 grams = 100 milliliters (ml)

1 PPM = 1/1,000,000 or 0.000001

1% = 1 gram / 100 ml water = 1 / 100 = 0.01

To make ingredient solutions, make a 1% solution of the ingredient in PG, ethanol, or Triacetin - PG is preferred. You only have to weigh the 1% ingredient solution one time.

Make 200 ml of a 10 PPM solution, to make other PPM solutions.

0.2 grams of a 1% ingredient solution in 200 ml of water =

$0.2\text{g} \times 0.01 / 200 = 0.002\text{g} / 200\text{ ml} = 0.000010 = 10\text{ PPM}$.

PPM	ml of 10 PPM solution	ml of 1 PPM solution	ml of water
0.1		10	90
0.5		50	50
1.0	10		90
2.5	25		75
5.0	50		50
7.5	75		25