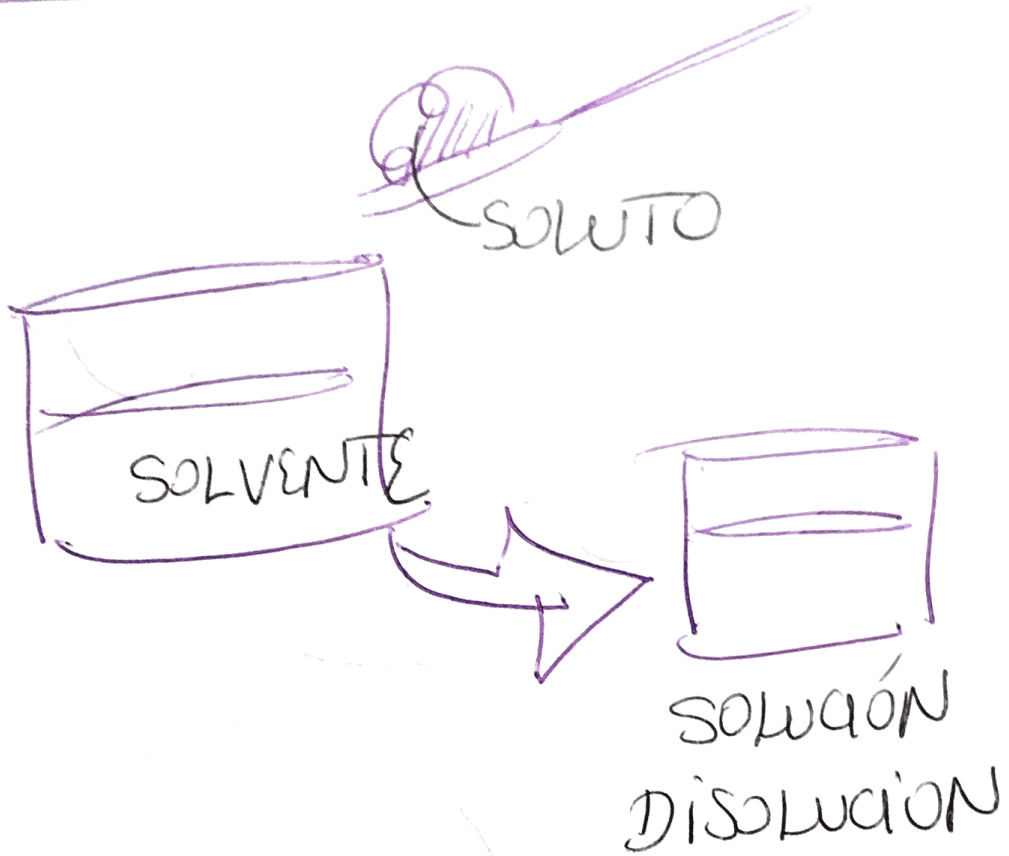
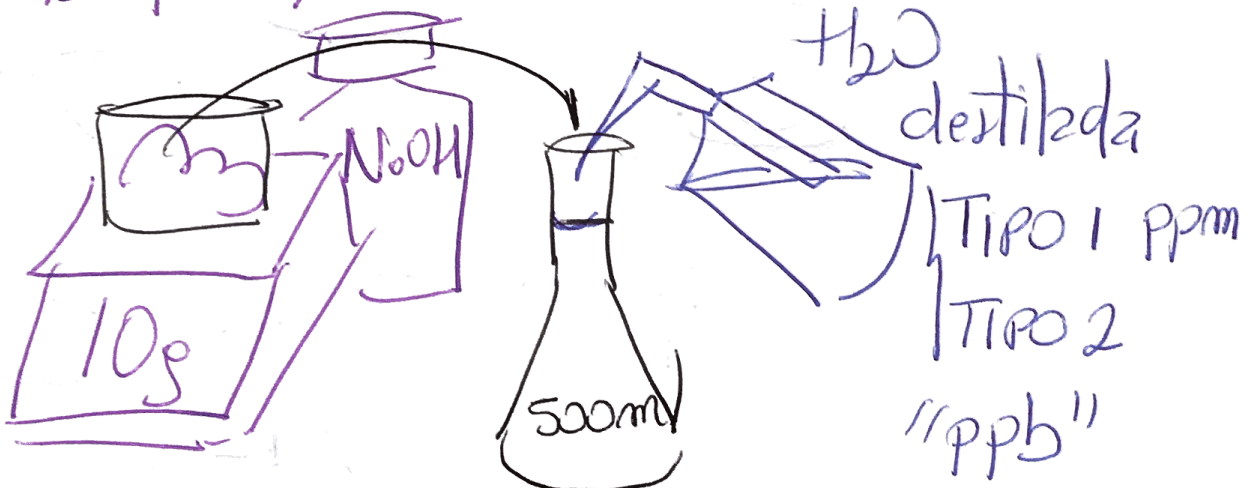


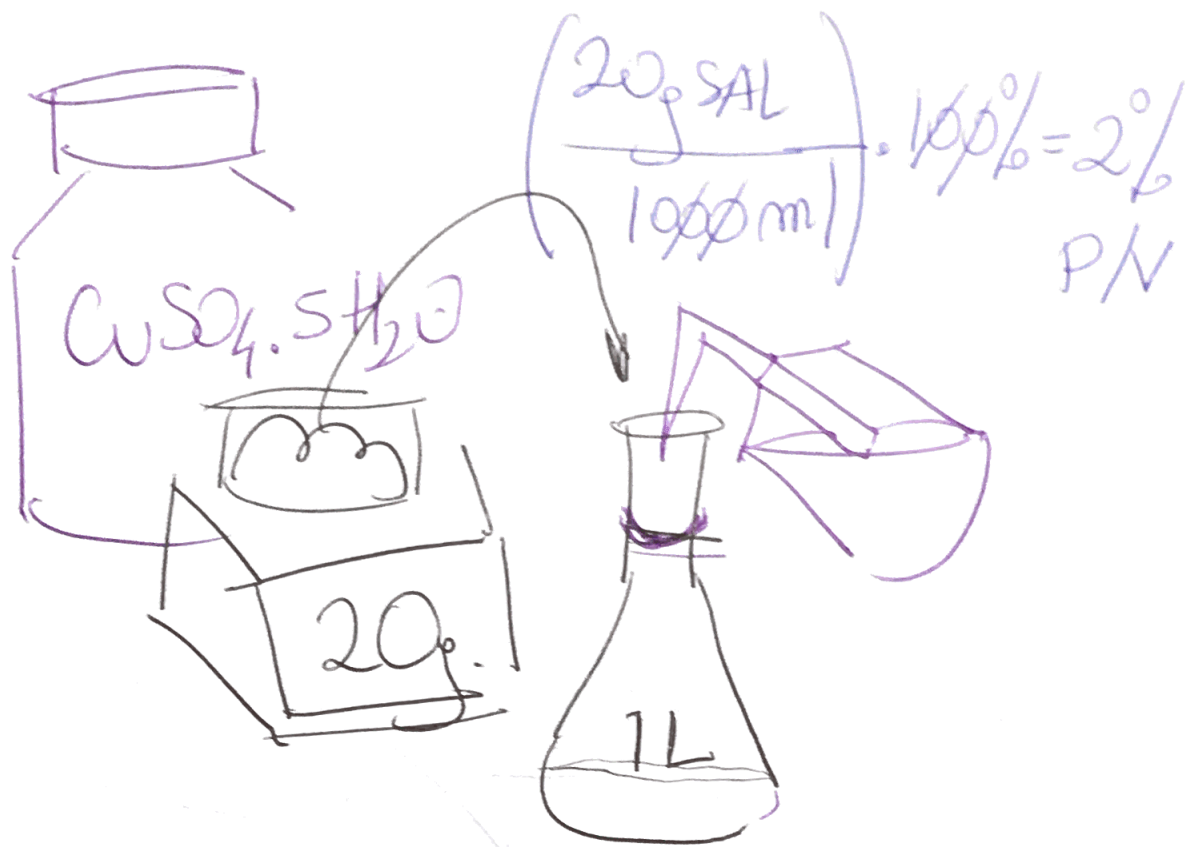
# SOLUCIONES



## % Peso/volumen



$$\left( \frac{10g \text{ NaOH}}{500 \text{ ml sol}} \right) \cdot 100\% = 2\%$$



0,1% P/V



$$\frac{0,1g}{100ml} = 0,1\%$$

1% almidon



10g Almidon

Líquidos

PURA



100% ✓

$$d = \frac{0,8 \text{ g etanol}}{1 \text{ ml etanol}}$$

m/etanol

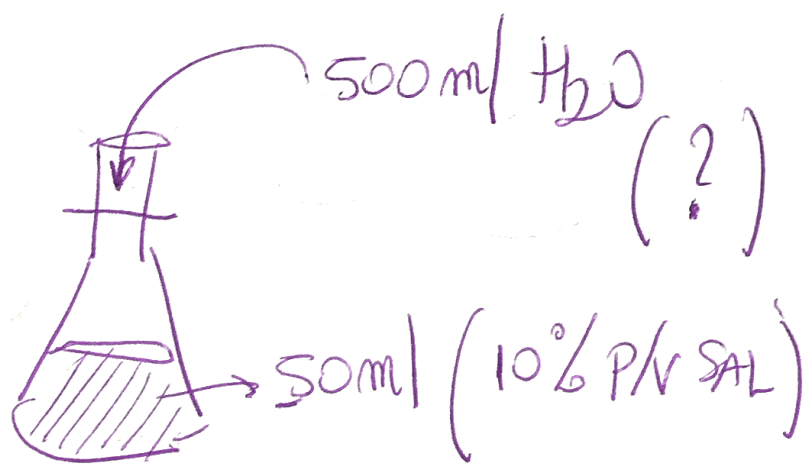
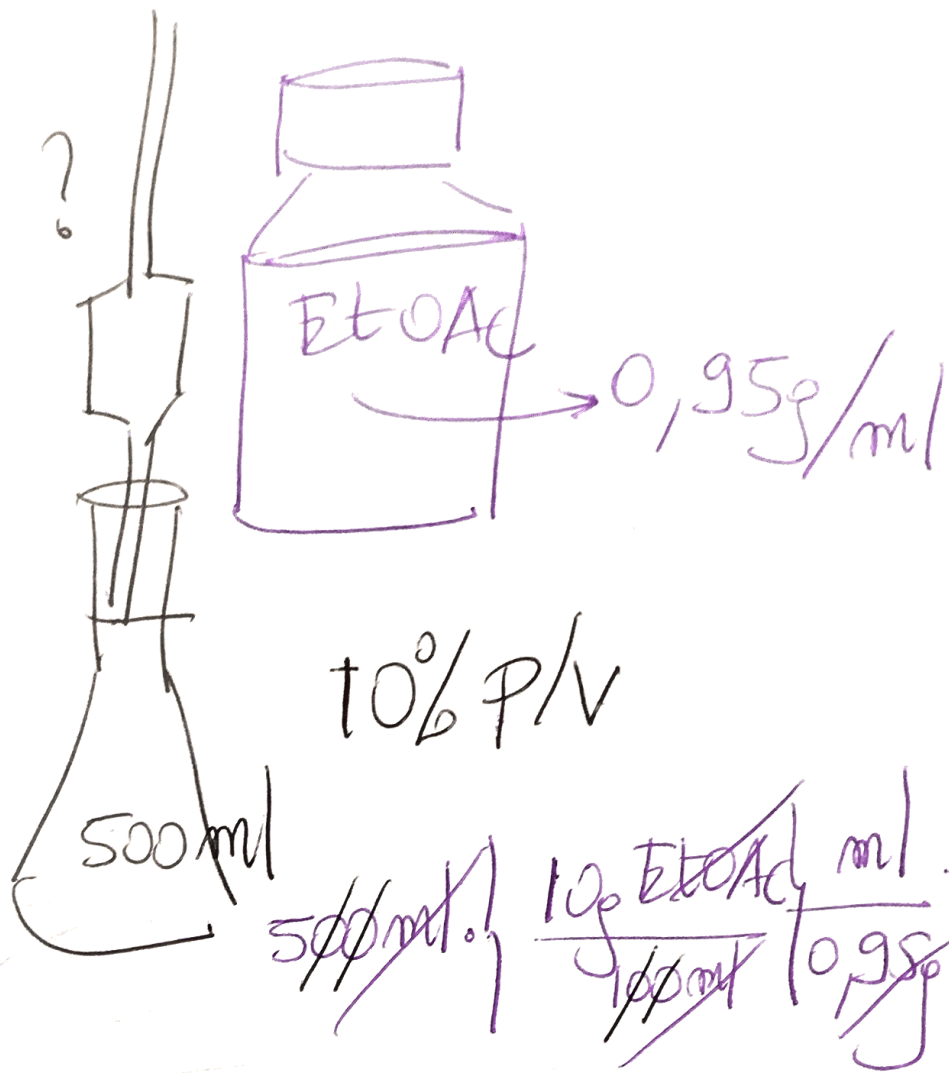
SOLUCIÓN



5% Etanol  
P/V

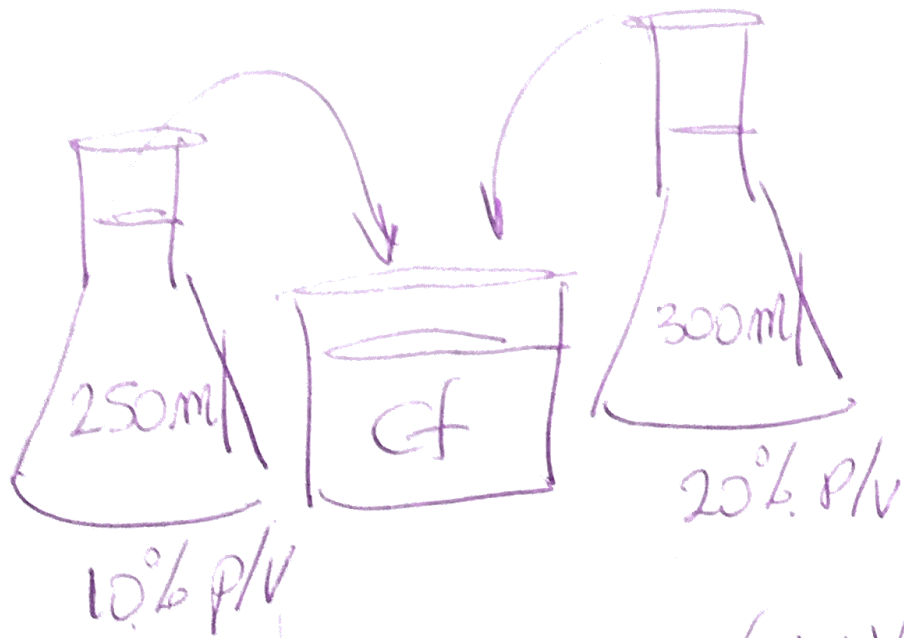


$$\frac{250 \text{ ml}}{100 \text{ ml}} \times \frac{5 \text{ g etanol}}{100 \text{ ml}} = \frac{1 \text{ ml etanol}}{0,8 \text{ g etanol}} = 15,625 \text{ ml}$$



$$C_1 V_1 = C_2 V_2$$

$$C_1 V_1 = (V_1 + V_{H_2O}) C_f$$



$$C_1V_1 + C_2V_2 = C_f(V_1 + V_2)$$

$$\frac{10(250) + 20(300)}{550 \text{ ml}} = C_f(550 \text{ ml})$$

$$C_f = 15,45\% \checkmark$$

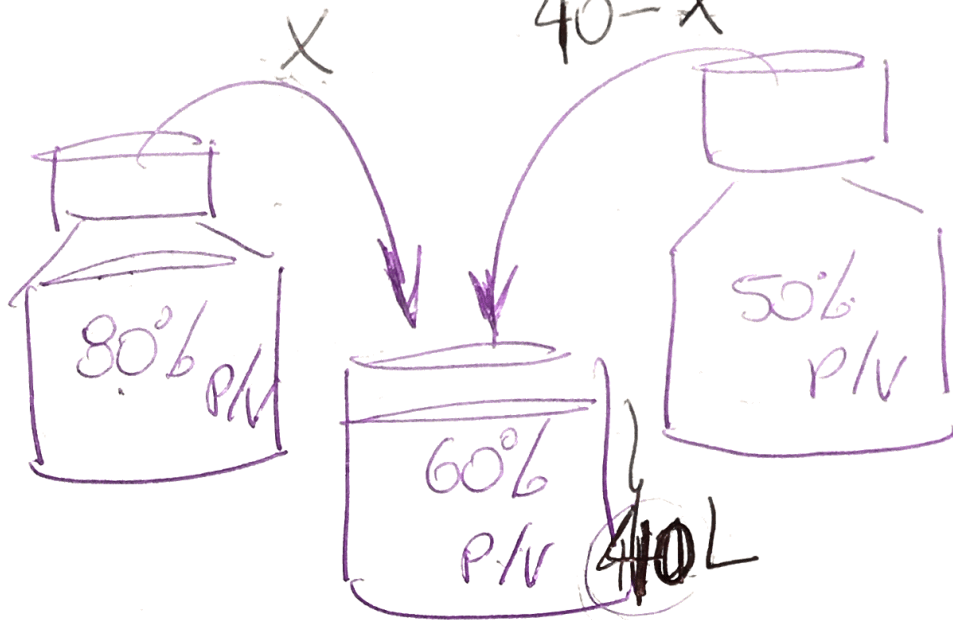


$$\frac{C_1V_1 + C_2V_2 + C_3V_3}{(V_1 + V_2 + V_3)} = C_f = 81,91$$

$$C_f = \frac{50 + 2500 + 9000}{200}$$

$$C_f = 57,75\%$$

$$40 - 13,33 = 26,67 \underline{\underline{L}}$$
$$40 - X$$



$$80(X) + 50(40 - X) = 60(40)$$

$$80X + 2000 - 50X = 2400$$

$$30X = 2400 - 2000$$

$$30X = \frac{400}{30}$$

$$X = 13,33 \underline{\underline{L}}$$

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25L

$100 - X$

$X = 75L$

