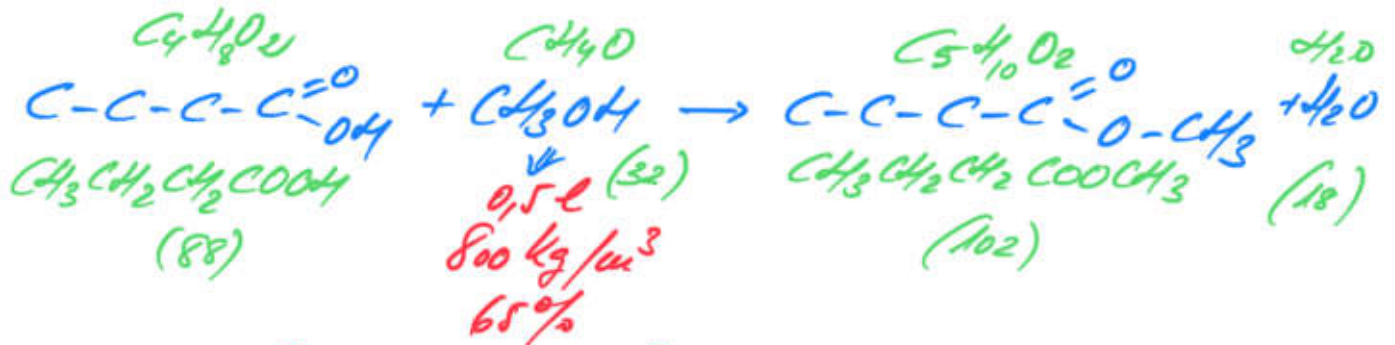


EXERCÍCIO FQ1BE2783:

Estanifraci3:    Ácido + Alcohol = ÉSTER!  
(Condensaci3)

Ácido Butárico + Metanol  $\rightarrow$  Butanoato de metil



$$800 \frac{\text{kg}}{\text{m}^3} \frac{1000 \text{ g}}{1 \text{ kg}} \frac{1 \text{ m}^3}{10^6 \text{ ml}} = 0,800 \text{ g/ml}$$

$$0,5 \text{ l} = 500 \text{ ml} \frac{0,8 \text{ g}}{1 \text{ ml}} \frac{65 \text{ g Polu}}{100 \text{ g sol}} = 260 \text{ g C}_\text{H}_3\text{O}_\text{H}$$

$$260 \text{ g C}_\text{H}_3\text{O}_\text{H} \frac{102 \text{ éster}}{32 \text{ g C}_\text{H}_3\text{O}_\text{H}} = \boxed{828,75 \text{ g éster}}$$