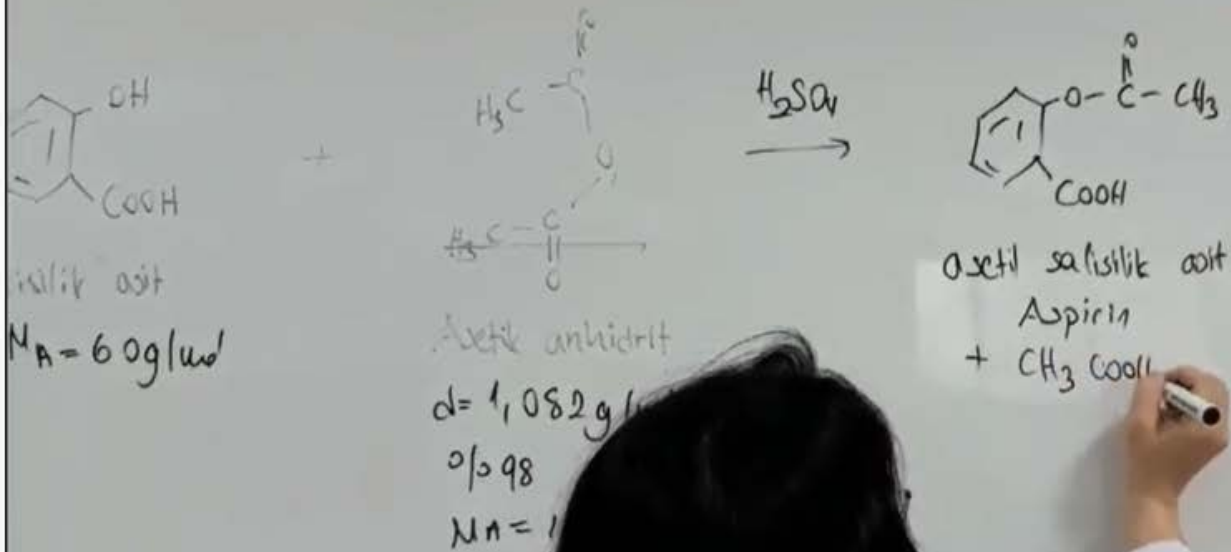


TİTRASYON



Satışlık asit

$$M_A = 60 \text{ g/mol}$$

$$n_{SA} = \frac{m}{M_A} = \frac{5 \text{ g}}{60} = \underline{0,0833 \text{ mol S.A}}$$

0
Asetik anhidrit

$$d = 1,082 \text{ g/ml}$$

0/098

$$M_A = 102 \text{ g/mol}$$

$$m_{AN} = \frac{\%}{d} \cdot V = 0,98 \times 1,082 \text{ g/ml} \times \underline{7 \text{ ml}}$$

7,42g A.N

$$n = \frac{m}{M_A} = \frac{7,42}{102} = \underline{0,072 \text{ mol}} \rightarrow \underline{\text{sınırlayıcı reaktif}}$$

0,072 mol sensitive with

Aspirin $M_A = 180 \text{ g/mol}$
+ CH_3COOH

$$0,072 \text{ mol } \underline{\underline{0/00}}$$

$$\begin{array}{r} 1 \text{ mol aspirin } \quad 180 \text{ g/mol} \\ 0,072 \text{ mol} \quad \quad \quad \times \\ \hline x = \underline{13 \text{ g aspirin}} \end{array}$$

$$\text{Eldelenen} = \underline{\underline{3,5 \text{ g aspirin}}} \quad \frac{0}{100} \text{ verim}$$

$$\begin{array}{r} 100 \quad \quad 13 \text{ g} \\ \times \quad \quad 3,5 \text{ g} \\ \hline x = \underline{\underline{0/27 \text{ verim}}} \end{array}$$



