

Química



Verde

Fig.1

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Trabalho realizado por:

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Ácido acético + 1-Butanol



Acetato de n-Butilo + Água





Catalizador Dowex

Fig.2



Fig.3

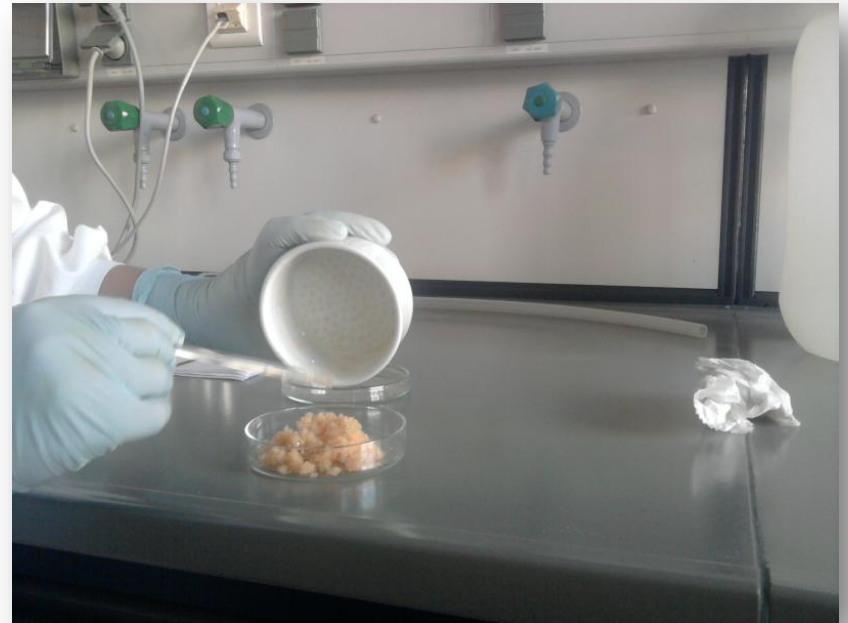


Fig.4

Lavagem do Catalizador

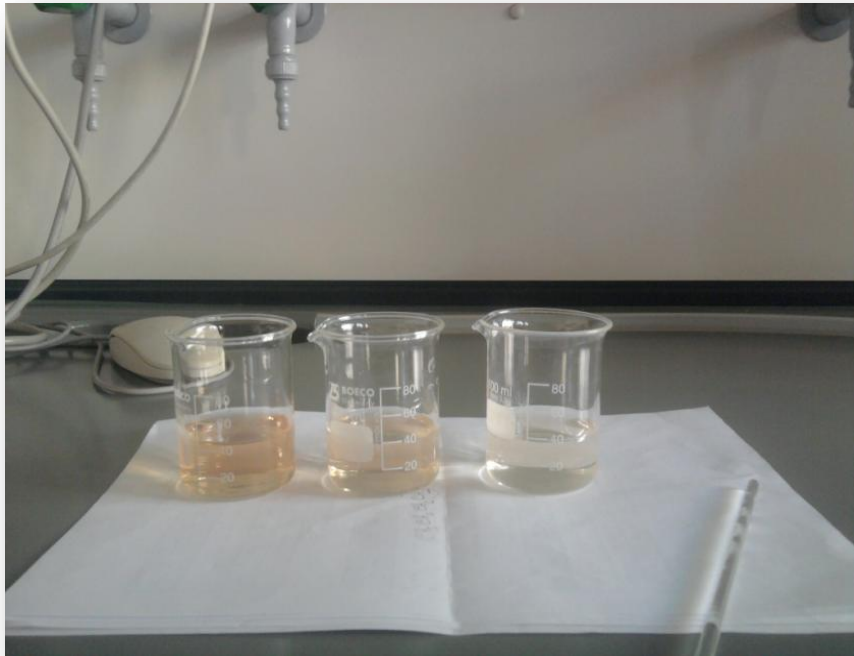


Fig.5

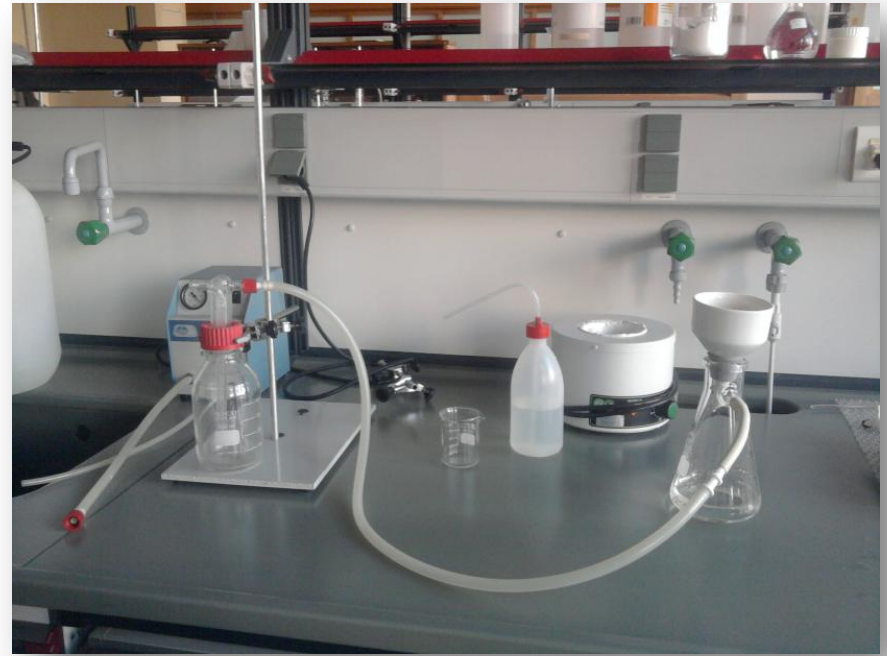


Fig.6

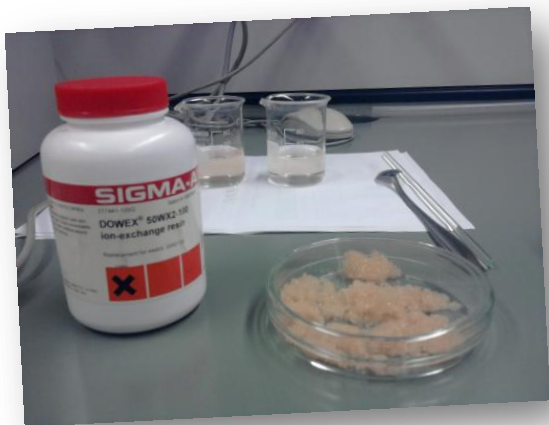


Fig.7

Balão de 50 mL
9,10 mL de Butanol
5,6 mL Ácido Acético
2,0 g de Dowex

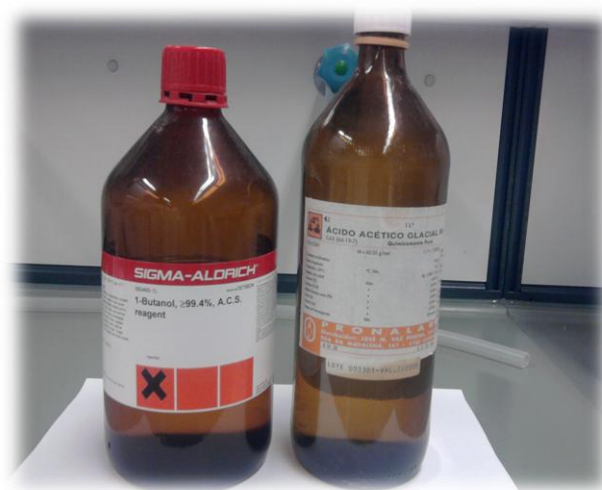


Fig.8



Fig.9



Fig.10

← Δ Trefluxo = 60 min



Fig.11

Química Verde

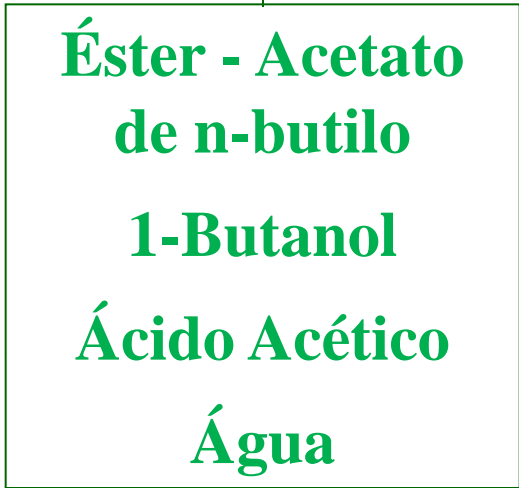


Fig.12

← Adição de NaHCO₃ (aq)

Fase aquosa

Fase orgânica

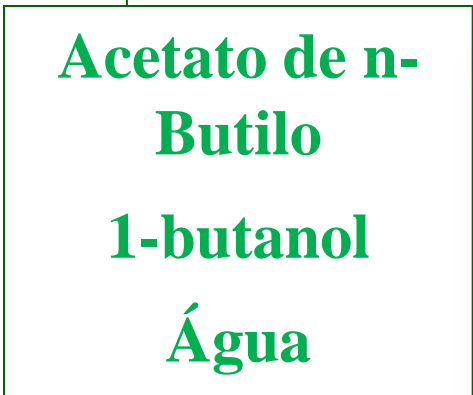


Fig.13



Fig.14

← Adição de Na_2SO_4 (s)
anidro

**Sulfato de Sódio
hidratado
($\text{Na}_2\text{SO}_4 \cdot x\text{H}_2\text{O}$)**

**Acetato de n-
Butilo
1-butanol**



Fig.15

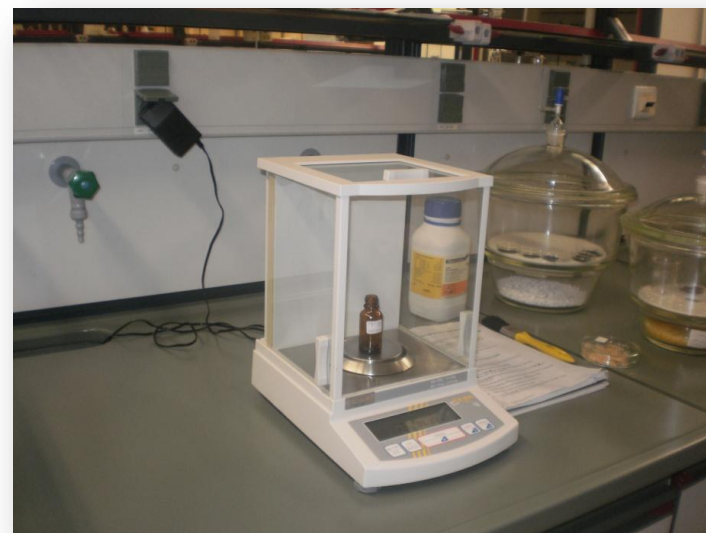


Fig.16



Microescala

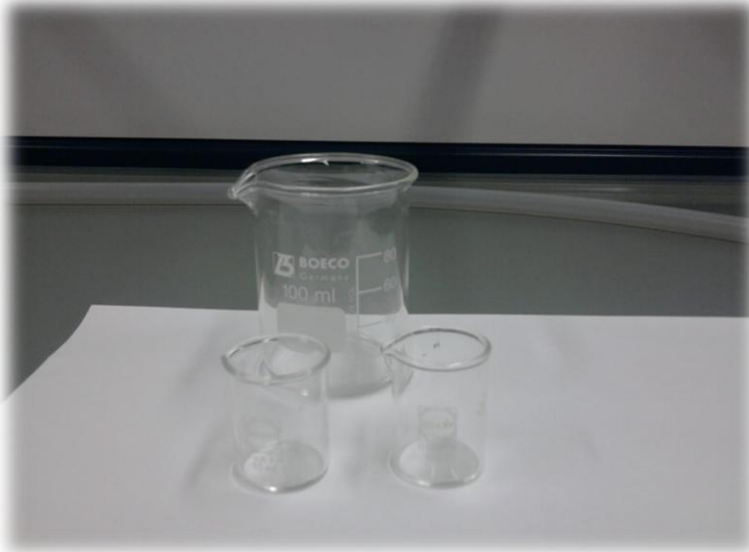


Fig.17

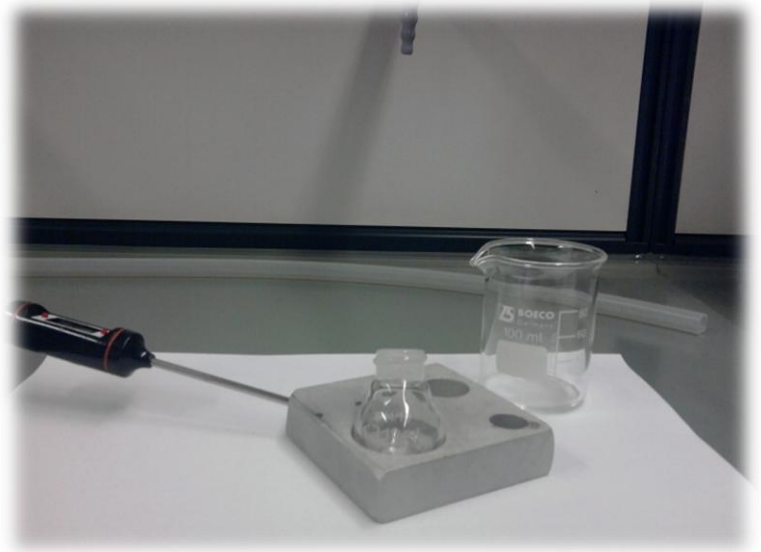


Fig.18



Fig.19