

# Recrystallization

220C

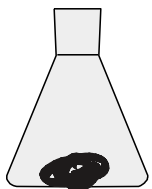
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1. compound insoluble in "cold"
2. " " " Soluble in "hot"
3. impurities solubility is temp. independent.

Methanol  
 $H_2O$

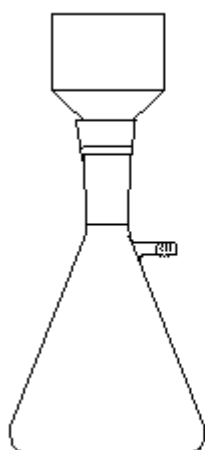
adding 0.5 mL

filter while hot



~ 3 mL





Isolate Solid →

0.2g 1:1

0.1g

0.2g

### Pre-Recrystallization

Sample	MP (°C)	Mass (g)
N	61-67	0.18
B	120-125	0.11

### Post-Recrystallization

Sample	MP (°C)	Mass (g)
N	62-63	0.13
B	121-123	0.04

$$\% \text{ recovery} = \frac{\text{Mass (g)}}{0.2 \text{ g}} \times 100$$

$$= \frac{0.11 \text{ g}}{0.2 \text{ g}} \times 100$$