

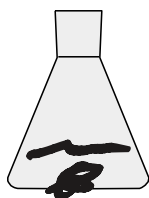
Recrystallization

220C

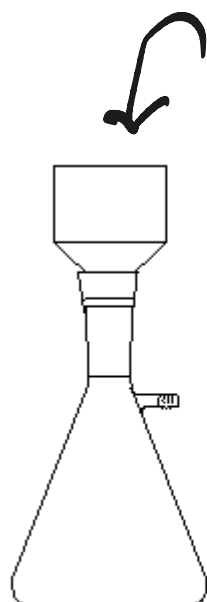
9/24/20

0.2 g 1:1 B / N

1. compound insol. DCS
"cold" NCS
2. compound sol. "Hot"
3. impurities solubility is
temp. independent



1. small amount
solvent
2. add solvent 2-3 mL
0.5 - 1 mL at a
time
3. Filter while hot
4. allow solution
to cool down



60%

0.2g 1:1 B/N

20-40

Isolate Solid

$N_{(s)}$ $B_{(s)}$

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

Pre-Recrystallization

Sample	MP (°C)	Mass (g)
N	121-127	0.14
B	92-97	0.07

Post-Recrystallization

Sample	MP (°C)	Mass (g)
N	123-124	0.03
B	94-96	0.06

