

Name: _____

Section: _____

Data and Calculations for Experiment 14

Weight of salicylic acid added _____

Volume of acetic anhydride _____

Density of acetic anhydride from CRC _____

Molecular Weight of acetic anhydride _____

Molecular Weight of salicylic acid _____

Theoretical Yield of aspirin _____

Actual Yield of crude aspirin _____

Actual Yield of recrystallized aspirin _____

Percent Yield of recrystallized aspirin _____

Test Tube No.	Sample	Color	Intensity
1	Salicylic acid		
2	Your synthesized aspirin		
3	Commercial aspirin		

Questions

1. Determine the percentage yield of your crude product.

