

Experiment 6: Synthesis and IR Spectroscopy of Aspirin

Grading Rubrics for _____

Notebook (out of 9): _____

- 1/2: No entry in Table of Contents
- 1: No dated pages
- 1: No introduction
- 1: Missing datum
- 1: Incomplete observations about synthesis
- 2: No observations about synthesis
- 1/2: No settings noted for Mel-Temp work
- 1: Incomplete observations about FTIR work

Data Analysis (out of 6) _____

- 1/2: Wrong number of significant figures for yield
- 1: Wrong formula mass for aspirin
- 2: No discussion of yield
- 2: Incomplete and inaccurate discussion

Results (out of 5) _____

- 1: Low synthesized aspirin melting point
- 1: Low match of synthesized aspirin IR spectrum
- 2: Very poor yield

Advanced Study Assignment (raw score out of 34; converted to **out of 5)** _____**TOTAL (out of 25)** _____