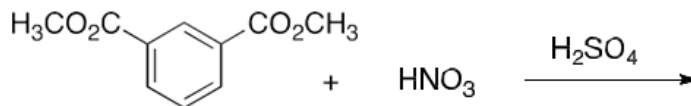


Chemistry 202L
Practicum

Name: Nitration



Formula
Mol. Wt.
Volume solid
Density ----
% 100%
Grams .097g

- Using your laboratory textbook and your write-up of a similar experiment, **outline a pre-lab**: grams/mL of reactants and solvents, reaction conditions, quenching, work-up, purification, analysis. You will need to use 3.0 equivalents of concentrated (70%) nitric acid which has a density of 1.4 g/mL.
Other differences from your previous nitration experiment are :

1. You will not cool the sulfuric acid/dimethyl isophthalate solution.
2. You will add the nitric acid over a 10 second period at room temperature
3. After adding the nitric acid, you will stir and heat the reaction mixture in a water bath heated to 45-55 C° for 15 minutes.
4. Recrystallize on a Hirsh funnel using ethanol.