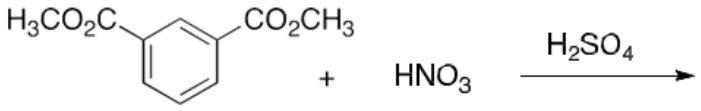
Chemistry 202L

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 to45-55 C° for 15 minutes.
4. Recrystallize on a Hirsh funnel using ethanol.