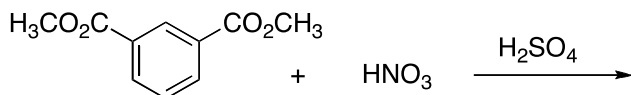


**Chemistry 202L  
Practicum**

Name:     Nitration    



Formula

Mol. Wt.

Volume       solid

Density       -----

%             100%

Grams        .097g

Moles

- 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 conc. (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.