

## 1. Solubility Tests for Crystallization

Chemical Name	Per Student	Per Class (24)	Location
Resorcinol	10 mg	240 mg	Organic Solids
Anthracene	10 mg	240 mg	Organic Solids
Benzoic Acid	10 mg	240 mg	Organic Solids
4-Amino-1-Napthalene	10 mg	240 mg	Organic Solids
Sulfonic Acid Sodium Salt			Inorganic Solids
Methanol (Methyl Alcohol)	1 mL	24 mL	HS 235D (F-3)
Ethanol	1 mL	24 mL	HS 235C (F-2)
Acetone	1 mL	24 mL	HS 235C (F-2)
Toluene		1 bottle	HS 235D (F-3)
Ligroin 30-60		1 bottle	HS 235D (F-3)
Ligroin 60-80		1 bottle	HS 235D (F-3)
Ethyl Acetate		1 bottle	HS 235C (F-2)

## 2. Crystallization of Pure Phthalic Acid, Napthalene, and Anthracene

Chemical Name	Per Student	Per Class (24)	Location
Phthalic Acid	60 mg	1.44 g	Organic Solids
Napthalene (ask professor)	40 mg	960 mg	Organic Solids
Anthracene	10 mg	240 mg	Organic Solids
Methanol (Methyl Alcohol)	1 mL	24 mL	HS 235D (F-3)
Ethanol	3 mL	72 mL	HS 235C (F-2)

## Crystallization of Pure Phthalic Acid

Chemical Name	Per Student	Per Class (24)	Location
Phthalic Acid	1 g	24 g	Organic Solids

## Other Items

- Boiling Chips
- “Norit” activated charcoal pipettes
- Pasteur Pipettes
- Ice