



Experiment Title	Chemical Name	Concentration
Acetaminophen Synthesis	Acetic anhydride	liquid
Acetaminophen Synthesis	p-aminophenol	solid
Alcohols to Alkyl chlorides	2-pentanol	liquid
Alcohols to Alkyl chlorides	Hydrochloric acid	12 M
Alcohols to Alkyl chlorides	Sodium carbonate	solid
Alcohols to Alkyl chlorides	Hydrobromic acid	48% w/v
Alcohols to Alkyl chlorides	Sodium sulfate anhydrous	solid
Alcohols to Alkyl chlorides	sec-phenethyl alcohol	liquid
Alcohols to Alkyl chlorides	Benzyl alcohol	liquid
Alcohols to Alkyl chlorides	t-butanol	liquid
Alcohols to Alkyl chlorides	1-pentanol	liquid
Alcohols to Alkyl chlorides	Sodium carbonate	10% w/v
Diels Alder Reaction	2,3-dimethyl-1,3-butadiene	liquid
Diels Alder Reaction	Maleic anhydride	solid
Diels Alder Reaction	Ethanol 95%	Liquid
Diels Alder Reaction	Hexane	liquid
Diels Alder Reaction	Cyclohexane	liquid
Diels Alder Reaction	Calcium chloride	solid
Esterification	methanol	liquid
Esterification	Sodium carbonate	10% w/v
Esterification	1-propanol	liquid
Esterification	1-butanol	liquid
Esterification	trans-cinnamic acid	solid
Esterification	Isoamyl alcohol	liquid
Esterification	Isopropyl alcohol	liquid
Esterification	Benzyl alcohol	liquid
Esterification	Sulfuric acid conc.	18 M
Esterification	1-pentanol	liquid
Esterification	Isobutyl alcohol	liquid
Esterification	Ethanol 95%	liquid

Experiment Title	Chemical Name	Concentration
Extraction of Beta Carotene	Cyclohexane	liquid
Extraction of Beta Carotene	Beta carotene UV solution	n/a
Extraction of Beta Carotene	Beta carotene TLC solution	n/a
Grignard Synthesis of Triphenylmethanol	Magnesium turnings	solid
Grignard Synthesis of Triphenylmethanol	Ethyl ether	liquid
Grignard Synthesis of Triphenylmethanol	Iodine	solid
Grignard Synthesis of Triphenylmethanol	Triphenylmethanol TLC solution	10 mg/ml
Grignard Synthesis of Triphenylmethanol	Bromobenzene	liquid
Grignard Synthesis of Triphenylmethanol	Biphenyl TLC solution	10 mg/mL
Grignard Synthesis of Triphenylmethanol	Isopropyl alcohol	liquid
Grignard Synthesis of Triphenylmethanol	Hydrochloric acid	3 M
Grignard Synthesis of Triphenylmethanol	Petroleum ether	liquid
Grignard Synthesis of Triphenylmethanol	Calcium chloride	solid
Grignard Synthesis of Triphenylmethanol	Ethyl benzoate	liquid
Mixed Aldol Condensation	trans-cinnamaldehyde	liquid
Mixed Aldol Condensation	Potassium hydroxide	2 M
Mixed Aldol Condensation	Isopropyl alcohol	liquid
Mixed Aldol Condensation	Ethanol 95%	liquid
Nitration of Aryl Compounds	Methanol	liquid
Nitration of Aryl Compounds	Sulfuric acid conc.	18 M
Nitration of Aryl Compounds	Nitric acid conc.	15.9 M
Nitration of Aryl Compounds	Acetone d6	liquid
Nitration of Aryl Compounds	Sodium chloride (rock salt)	solid
Nitration of Aryl Compounds	Dimethyl sulfoxide d6	liquid
Reduction of Benzil	Acetone d6	liquid

Experiment Title	Chemical Name	Concentration
Reduction of Benzil	Ethanol 95%	liquid
Reduction of Benzil	Benzil	solid
Reduction of Benzil	Sodium borohydride	solid
Reduction of Benzil	Hydrochloric acid	6 M
Reduction of Benzil	Dimethyl sulfoxide d6	liquid
Soap from Shortening	Hydrochloric acid	3 M
Soap from Shortening	Calcium chloride	0.5% w/v
Soap from Shortening	Ferric chloride	0.5% w/v
Soap from Shortening	Magnesium chloride	0.5% w/v
Soap from Shortening	Alconox detergent	solid
Soap from Shortening	Sodium chloride	solid
Soap from Shortening	Sulfuric acid conc.	18 M
Soap from Shortening	Sodium carbonate	1 M
Soap from Shortening	Dodecanol	liquid
Soap from Shortening	Sodium hydroxide	solid
Williamson Ether Synthesis	Acetone	liquid
Williamson Ether Synthesis	p-aminophenol	solid
Williamson Ether Synthesis	Iodoethane	liquid
Williamson Ether Synthesis	2-naphthol	solid
Williamson Ether Synthesis	Ethanol 95%	liquid
Williamson Ether Synthesis	Potassium carbonate anhydrous	solid