

CHM 2211L - DATA TABLE

DOUBLE MIXED ALDOL CONDENSATIONS

PHYSICAL PROPERTIES OF REAGENTS

NAME	STRUCTURE and FORMULA	MOLAR MASS (g/mol)	DENSITY (g/mL)	MELTING POINT (°C)	BOILING POINT (°C)
(1) Acetone					
(2) Cyclopentanone					
(3) Cyclohexanone					
(4) Your Unknown Aldehyde	Fill in after identification				
(5) Potassium Hydroxide (2M) (Catalyst)		xxxxx	xxxxx	xxxxx	

QUANTITIES OF REACTANTS USED

STRUCTURE	VOLUME		WEIGHT (g)	MOLES (mol)	(mark limiting reactant)
	( $\mu$ L)	(mL)			
(1)	150 $\mu$ L				
(2)	150 $\mu$ L				
(3)	150 $\mu$ L				
(4) Fill in after identification	xxxxxxx		0.5 g		
			0.6 g		

(Show all calculations on back or on a separate sheet)