

CHM 2210L - DATA TABLE

PREPARATION OF tert-AMYL CHLORIDE (2-CHLORO-2-METHYL BUTANE)

PHYSICAL PROPERTIES OF REAGENTS AND PRODUCTS

NAME	STRUCTURE AND FORMULA	MOLAR MASS (g/mol)	DENSITY Solution (g/mL)	MELTING POINT (°C)	BOILING POINT (°C)
(1) t-Amyl alcohol (2-Methyl-2-butanol)					
(2) Hydrochloric acid (12 M)		Solute (HCl)	d: _____ conc %:	XXXXXX	XXXXXX
(3) t-Amyl chloride (2-Chloro-2-methylbutane)					
(5) Water					

QUANTITIES OF REAGENTS USED AND PRODUCTS FORMED (THEORETICAL, ACTUAL)

STRUCTURAL FORMULA	VOLUME (mL)	WEIGHT (g)	MOLES (mol)	Check Limiting Reactant
(1)				
(2)				
(3)	XXXXXX		XXXXX	ACTUAL
	XXXXXX			THEORY
(4)	XXXXXX			THEORY

PERCENT YIELD: _____

(SHOW ALL CALCULATIONS ON BACK)
OR ON A SEPARATE SHEET)