## CONTENTS

		Synopsis.	
Chapter-I		Synthesis of reagents and their	1
		characterisation.	
	A]	3,5-dichloro salicylaldehyde	
		thiosemicarbazone.	
		abbreviated as 3,5-dichloro SAT.	
	B]	1-(4-bromo phenyl)4,4,6-trimethyl	
		(1H,4H)-2-pyrimidinethiol.	
		abbreviated as 4'-bromo-PTPT.	
Chapter-II		Spectrophotometric determination	17
		of Molybdenum(VI) with 3,5-dichloro	
		SAT.	
Chapter - III		Spectrophotometric determination	57
		of Iron(III) with 3,5-dichloro SAT.	
Chapter - IV		Extraction separation and	81
		spectrophotometric determination of	
		Copper(II) with 4'-bromo-PTPT.	