

## C O N T E N T S

Certificate

Acknowledgment

Synopsis

CHAPTER - I	Theory of Spectrophotometry ....	1 - 25
CHAPTER - II	Synthesis of Reagents and their Characterisation ....	26 - 48
	A) 5-Methyl Salicylaldehyde Thiosemicarbazone(5-Methyl SAT)	
	B) 1-(2,4-Dichlorophenyl)-4,4,6 Trimethyl (1H,4H)-2-Pyrimidinethiol (2,4-Dichloro PTPT)	
CHAPTER - III	Photometric determination of Molybdenum(V) with 5-methyl Salicylaldehyde thiosemicarbazone ....	49 - 92
CHAPTER - IV	Photometric determination of Ruthenium (III) with 5-Methyl Salicylaldehyde thiosemicarbazone ....	93 - 115
CHAPTER - V	Extraction of Gold (III) with 2,4-Dichloro PTPT ...	116 - 135