

CONTENTS

	<u>Page No.</u>
FOREWORD	... i-v
CHAPTER I : INTRODUCTION	... 1
Part 1 : General Discussion on Solvent extrac- tion	2-24
Part 2 : Absorptiometry and Spectrophotometry: Analytical basis	25-32
Bibliography	33-36
CHAPTER II : Cetyltrimethylammonium Bromide as an Analytical Reagent	
Section 1 : Literature Survey on the Use of Cetyltrimethyl- ammonium Bromide	38-46
Section 2 : Literature Survey on the Use of Thiocyanate, Iodide and Pyridine as Auxiliary ligands	47-54
Section 3 : Extraction and Spectrophotometric Determination of Iron	55-76
Section 4 : Extraction and Spectrophotometric Determination of Cobalt	77-94
Section 5 : Extraction and Spectrophotometric Determination of Palladium	95-112
Section 6 : Extraction and Spectrophotometric Determination of Platinum	113-129

	<u>Page No.</u>
Section 7 : Extraction and Spectrophotometric Determination of Molybdenum	130-147
Section 8 : Extraction and Spectrophotometric Determination of Vanadium	148-168
Section 9 : Extraction and Spectrophotometric Determination of Gold	169-188
Bibliography	189-218
 CHAPTER III : 4-Nitrosoresorcinol as an Analytical Reagent	
General Discussion	220
Section 1 : Extraction and Spectrophotometric Determination of Cobalt	221-235
Section 2 : Extraction and Spectrophotometric Determination of Palladium	236-249
Section 3 : Extraction and Spectrophotometric Determination of Copper	250-265
Bibliography	266-271
 CHAPTER IV : Ninhydrinoxime as an Analytical Reagent	
Extraction and Spectrophotometric Determination of Cobalt	273-287
Bibliography	288
 CHAPTER V : Diphenylthiocarbazide as an Analytical Reagent	
Extraction and spectrophotometric Determination of Copper	290-304
Bibliography	305-306
 APPENDIX : List of Publications and Reprints	308-310