

CONTENTS

Chapter 1. Introduction to Chromatographic Methods	1
Chapter 2. Principles of Chromatographic Methods	4
2.1 Adsorption Chromatography	5
2.2 Partition Chromatography	8
2.3 Chromatography on Ion-Exchange Material	14
References	14
Chapter 3. Techniques of Chromatographic Analysis	16
3.1 Adsorption Chromatography	16
3.2 Partition Chromatography	21
3.3 Thin-Layer Chromatography	31
3.4 Ion-Exchange Materials	33
References	34
Chapter 4. Methods of Detection and Determination of Separated Components	35
4.1 Detection	35
4.2 Quantitative Methods	50
References	51
Chapter 5. Systematic Qualitative Analysis	53
5.1 Systems of Qualitative Analysis of Cations	53
5.2 Systems of Qualitative Analysis of Anions	72
References	74
Chapter 6. A Review of Chromatographic Separation of Inorganic Compounds	75
6.1 Adsorption Chromatography	75
6.2 Partition Chromatography	81
6.3 Ion-Exchange Chromatography	135
References	138
Chapter 7. Chromatography in the Quantitative Analysis of Inorganic Compounds	152
7.1 Quantitative Paper Chromatography	152
7.2 Quantitative Chromatography on Cellulose Columns	168
7.3 Quantitative Chromatography on Silica Gel Columns	177
References	179