544.66 BIR 2nd ed.

CONTENTS

1.	Simplified Fundamentals	1
2.	Principles of X-Ray Generation, Diffraction, and Absorption	5
3.	Excitation for X-Ray Analysis	15
4.	Dispersion: Spectrometer Geometry and Crystal Properties	27
5.	Detectors and Circuits	43
6.	Energy Dispersion	57
7.	Analysis, Precision, and Accuracy	71
8.	Mathematical Methods for Quantitative Analysis	85
9.	Applications and Specimen Preparation	95
10.	Electron Probe Microanalysis	111