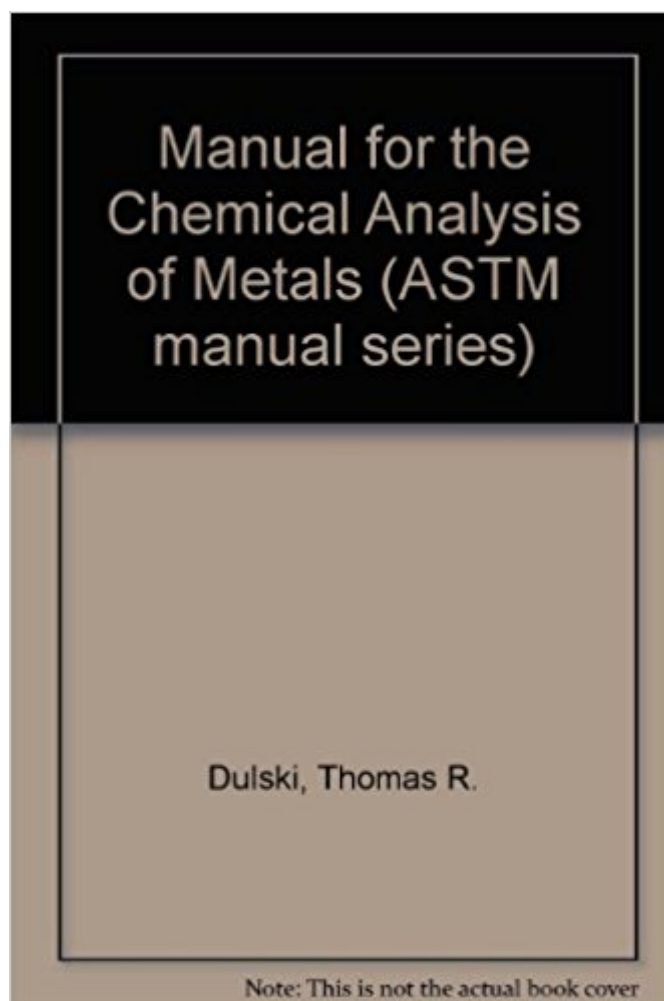


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A Manual For The Chemical Analysis Of Metals (Astm Manual Series)



Synopsis

This manual is a practical laboratory reference that summarizes useful solutions to a wide range of common analytical problems. In its extensive focus on hybrid chemical/instrumental approaches, the manual represents a new approach, containing information otherwise only available by consulting a long list of scattered references. A concise reference source for laboratory technicians, chemists, and lab managers who are faced with detection limit difficulties, spectroscopic line interferences, precision problems at high concentrations, or with an alloy that takes too long to dissolve. Emphasis on steels, nickel and cobalt based alloys; also copper, aluminum, titanium, lead, and precious metals. Table of Contents Chapter 1-Laboratory Design Chapter 2-Equipment Chapter 3-Reagents Chapter 4-Sampling Chapter 5-Sample Preparation Chapter 6-Dissolution in Acids Chapter 7-Miscellaneous Dissolutions Chapter 8-Separation by Precipitation Chapter 9-Separation by Miscellaneous Techniques Chapter 10-The Separation of the Elements Chapter 11-Gravimetry Chapter 12-Titrimetry Chapter 13-Absorption Spectrophotometry Chapter 14-Emission Spectroscopy Chapter 15-Other Measurement Techniques Chapter 16-Reference Materials, Calibration, and Validation Chapter 17-Statistics and Specifications Chapter 18-Good Laboratory Practices Chapter 19-Good Administrative Practices Chapter 20-Personnel Glossary Appendices

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Customer Reviews

Dulski is an analytical chemist with 32 years of experience in the basic steel and specialty alloy industries. A graduate of the University of Pittsburgh, he has been employed by Crucible Materials

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