

CRC Handbook of Basic Tables for Chemical Analysis, Third Edition

By Thomas J. Bruno, Paris D.N. Svoronos



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Researchers in organic chemistry, chemical engineering, pharmaceutical science, forensics, and environmental science make routine use of chemical analysis, but the information these researchers need is often scattered in different sources and difficult to access. The **CRC Handbook of Basic Tables for Chemical Analysis, Third Edition** is a one-stop reference that presents updated data in a handy format specifically designed for use when reaching a decision point in designing an analysis or interpreting results. In response to a decade of reader input, this new edition has been expanded to include even more of the critical information scientists rely on to perform accurate analysis.

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- Includes data from the *CRC Handbook of Fundamental Spectroscopic Correlation Charts* into this volume for the first time
- Presents new information on gas, liquid, and thin layer chromatography;
 nuclear magnetic resonance spectrometry; infrared spectrophotometry; and
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- Reviews the detection of outliers in experimental data
- Provides basic information on thermocouples, chemical indicators, and chromatographic column regeneration
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- Examines carcinogens and chemical, electrical, radiation, and laser hazards
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Unmatched in its coverage of the range of information scientists need in the lab, this resource will be referred to again and again by practitioners who need quick, easy access to the data that forms the basis for experimentation and analysis.

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Review

"... all the numbers and information needed to design an experiment to fit a researcher's needs. The authors created a one-stop reference that is well conceived and designed and easy to read. Unmatched ... Summing Up: Highly recommended."

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Praise for the previous edition:

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About the Author

Thomas J. Bruno, PhD, is a project leader in the Physical and Chemical Properties Division at the National Institute of Standards and Technology, Boulder, Colorado. He is also on the adjunct faculty in the Department of Chemical Engineering at the Colorado School of Mines. **Paris D.N. Svoronos, PhD**, is professor of chemistry and department chair at Queensborough Community College (QCC) of the City University of New York. In addition, he holds a continuing appointment as visiting professor in the Department of Chemistry at Georgetown University.

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