



Handbook of Near-Infrared Analysis, Third Edition (Practical Spectroscopy)

From CRC Press



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Fast, inexpensive, and easy-to-use, near-infrared (NIR) spectroscopy can be used to analyze small samples of virtually any composition. The Handbook of Near Infrared Analysis, Third Edition explains how to perform accurate as well as time- and cost-effective analyses across a growing spectrum of disciplines.

Presenting nearly 50% new and revised material, this thoroughly updated edition incorporates the latest advances in instrumentation, computerization, calibration, and method development in NIR spectroscopy. The book underscores current trends in sample preparation, calibration transfer, process control, data analysis, and commercial NIR instrumentation. New chapters highlight novel applications including the analysis of agro-forestry products, polymers, blood, and control serum. They also cover NIR spectra, process analytical technologies (PAT), quantitative and qualitative analyses for nutraceuticals, NIR photography uses in medicine, and counterfeit detection methods for pharmaceuticals and currency.

Offering the most complete single-source guide of its kind, the Handbook of Near Infrared Analysis, Third Edition continues to offer practicing chemists and spectroscopists an unparalleled combination of theoretical foundations, cuttingedge applications, and practical experience provided firsthand by more than 60 experts in the field.



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