

Book review

Volume 2 of the series of **HANDBOOK OF THERMAL ANALYSIS AND CALORIMETRY** (Series Editor: Patrick K. Gallagher, Volume Editors: Michael E. Brown and Patrick K. Gallagher) has been published in 2003 by Elsevier. This is the last volume of the handbook, where Volume 1 describes the basic background of thermal analysis and calorimetry, Volume 3 pertains to polymers and describes applications to these materials, while Volume 4 focuses to the most important biological applications. Volume 2 contains fifteen chapters from the field of inorganic materials as they revealed by the techniques of thermal analysis and calorimetry. Similarly to the series and chapter editors all the contributor are eminent expert in the field of their interest in this technique.

Volume 2: Applications to Inorganic and Miscellaneous Materials describes the application of thermal analysis and calorimetry – according to the content of the book – in adsorption and surface chemistry (Ch. 1), to the preservation of art and archaeological objects (Ch. 2), to the study of carbons (Ch. 3), in the preparation of catalysts and in catalysis (Ch. 4) and for ceramics, glass, and electronic materials (Ch. 5). We can read about clays (Ch. 6), energy storage (Ch. 7), the thermal stability of explosives (Ch. 8), fossil fuels (Ch. 9) and general inorganic chemicals and coordination compounds (Ch. 10). One can look into the thermal methods in geosciences (Ch. 11), dehydration of crystalline hydrates (Ch. 12), metallurgy (Ch. 13), pyrotechnics (Ch. 14) as well as in high T_c superconductors (Ch. 15).

This book in 905 pages is easy readable, well demonstrated with figs and tables and it is an up to date summary of the different applications and recent knowledge in the wide range of inorganic and miscellaneous materials. It is a good guide book for PhD and postdoc fellows as well as for experts in the above mentioned field too. As a final part of the series, together with the earlier parts it is warmly recommended by the referee to be put on the bookshelf of each thermoanalysts and expert of calorimetry as a reference handbook and use it with success.

The book is available in Europe, Middle East & Africa from Elsevier, Customer Service Department, Linacre House, Jordan Hill, Oxford OX2 8DP, UK., and in the USA/Canada from Elsevier, Customer Service Department, 11830 Westline Industrial Drive, St. Louis, MO 63146, U.S.A.

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