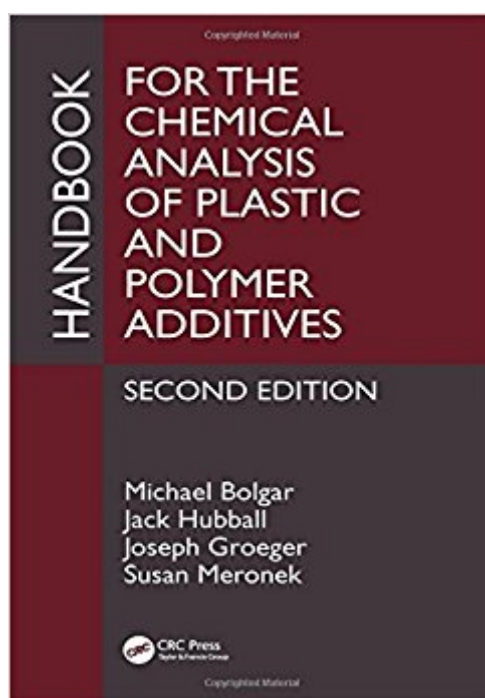


The book was found

Handbook For The Chemical Analysis Of Plastic And Polymer Additives, Second Edition



Synopsis

Polymers have undoubtedly changed the world through many products that improve our lives. However, additives used to modify the overall characteristics of these materials may not be fully disclosed or understood. These additives may present possible environmental and health hazards. It is important to monitor consumer products for these compounds using high-quality reference materials and dependable analytical techniques. The Handbook for the Chemical Analysis of Plastic and Polymer Additives, Second Edition provides the necessary tools for chemists to obtain a more complete listing of additives present in a particular polymeric matrix. It is designed to serve as a valuable source for those monitoring a polymer/plastic material for regulatory or internal compliance. It also helps analysts to correctly identify the complex nature of the materials that have been added to the polymer/plastic. With 50 additional compounds, this second edition nearly doubles the number of additives in several categories, including processing aids, antistatic compounds, mould release products, and blowing agents. It includes a listing that can be cross-referenced by trade name, chemical name, CAS number, and even key mass unit ions from the GC/MS run. Addressing additives from an analytical viewpoint, this comprehensive handbook helps readers identify the additives in plastics. This information can be used to assess compliance with regulations issued by the FDA, US EPA, EU, and other agencies.

Book Information

Hardcover: 654 pages

Publisher: CRC Press; 2 edition (September 25, 2015)

Language: English

ISBN-10: 1439860742

ISBN-13: 978-1439860748

Product Dimensions: 10.2 x 7.2 x 1.5 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,216,775 in Books (See Top 100 in Books) #70 in [Books > Science & Math > Chemistry > Polymers & Macromolecules](#) #278 in [Books > Engineering & Transportation > Engineering > Chemical > Plastics](#) #947 in [Books > Science & Math > Chemistry > Analytic](#)

Customer Reviews

"A welcome tool to help bench chemists obtain a more complete listing of additives present

in a particular polymeric matrix." – Valerio Causin, University of Padova, in Analytical and Bioanalytical Chemistry

Jack Hubball, PhD, is the lead criminalist for the Connecticut State Police Forensic Laboratory, which provides analyses for organic compounds from a variety of samples submitted from crime scenes. During his tenure at the Laboratory, Dr. Hubball has analyzed more than 10,000 items. He is the laboratory representative to the Connecticut State Police K-9 Unit and provides final testing and third-party certification for the accelerant, drug, and explosives detection teams. Dr. Hubball also is a consultant to two companies specializing in polymer-related cases. As a consultant he has performed hundreds of polymer analyses. Michael Bolgar is the founder and CEO of AccuStandard, Inc. and an organic chemist with over 40 years experience in synthesizing complex organic molecules. His early work with unique industrial compounds led him to start his own company concentrating on the synthesis, formulation and certification of organic chemical reference standards. These standards are used worldwide for monitoring pollutants originating from industrial chemical products such as polymers. AccuStandard is the first and only company to have synthesized all 209 PCB congeners and all 209 PBDE congeners. In addition to these primary compounds, his synthesis department has produced many of their metabolites and has published papers on these subjects. Joseph Groeger is president of Mantis Associates Inc. in Storrs Mansfield, Connecticut, which is dedicated to product development in consumer products, food packaging, and drug delivery devices/systems. He has more than 30 years of practical experience in development, selection, formulation, testing, and analysis of rubber, thermoplastics, adhesives, foams, composites, and polymer coatings. He has developed new materials for medical delivery devices, battery seals and insulators, electrical insulation systems, flame-retardant materials, coatings, food packaging, adhesives, and others. Mr. Groeger has published extensively and holds numerous patents that focus on polymer applications.

[Download to continue reading...](#)

Handbook for the Chemical Analysis of Plastic and Polymer Additives, Second Edition Handbook for the Chemical Analysis of Plastic and Polymer Additives Polymer Clay: The Ultimate Beginners Guide to Creating Animals in 30 Minutes or Less! (Polymer Clay - Polymer Clay for Beginners - Clay - Polymer Clay Animals - Polymer Clay Jewelry - Sculpture) Cute Polymer Clay Popsicles & Ice Cream: Polymer Clay Kawaii Food Charms (Polymer Clay Kawaii Charms Book 1) Elements of Polymer Science & Engineering, Second Edition: An Introductory Text and Reference for Engineers and Chemists (The Elements of Polymer Science and Engineering) Polymer Synthesis, Second

Edition: Volume 1 (Polymer Syntheses) Plastics Additives Handbook 6E Analysis, Synthesis and Design of Chemical Processes (4th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Prepping and Repairing the Plastic Pony (Prepping, Pastelling, and Polishing the Plastic Pony Book 1) Advanced Pastelling and Patterns of the Plastic Pony (Prepping, Pastelling, and Polishing the Plastic Pony Book 3) Basic Pastelling of the Plastic Pony (Prepping, Pastelling, and Polishing the Plastic Pony Book 2) Plastic-Free: How I Kicked the Plastic Habit and How You Can Too Plastic Purge: How to Use Less Plastic, Eat Better, Keep Toxins Out of Your Body, and Help Save the Sea Turtles! Grabb and Smith's Plastic Surgery (GRABB'S PLASTIC SURGERY) Handbook of Coal Analysis (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) A Consumer's Dictionary of Food Additives, 7th Edition: Descriptions in Plain English of More Than 12,000 Ingredients Both Harmful and Desirable Found in Foods The Elements of Polymer Science and Engineering, Third Edition (Elements of Polymer Science & Engineering) The FODMAP Navigator: Low-FODMAP Diet charts with ratings of more than 500 foods, food additives and prebiotics Functional Polymer Coatings: Principles, Methods, and Applications (Wiley Series on Polymer Engineering and Technology) What's In Your Food?: The Truth about Additives from Aspartame to Xanthan Gum

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)