


[DOWNLOAD](#)


Process development for plant-based extract production

By Markus Kaßing

Shaker Verlag Feb 2012, 2012. Buch. Book Condition: Neu. 211x149x12 mm. Neuware - In this thesis a structured and standardized approach for the process design of plant-based extractions has been developed. This approach is founded on laboratory experiments performed in a standard apparatus to determine extraction kinetics for the best solvent and the targeted solute with regard to the solubility, selectivity as well as factors like regulatory constraints and consumer demands. As a benchmark, two different raw materials, pepper berries and vanilla beans, with different physical properties of the target compounds and the raw materials have been examined to cover a wide range of typical botanical variable feeds. Furthermore, mass balances have been set up for water, solvent, raw material and target compounds on a laboratory scale. A rigorous model supported by botanical investigations has been developed to predict percolation results. After determining the desorption isotherm the model has been validated with short residence time percolation experiments. With the aid of this validated model percolation experiments with long residence times can be predicted and different process scenarios calculated. A combination of design of experiments and rigorous modelling in combination with a standard equipment and experimental model parameter determination provides a...



[READ ONLINE](#)
[3.99 MB]

Reviews

This book is definitely not simple to begin on studying but quite fun to see. I actually have read and that i am sure that i will gonna read through yet again once again in the foreseeable future. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Brennan Koelpin

Comprehensive guide! Its this type of very good read through. It is actually writter in simple words and phrases rather than difficult to understand. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Bernie Mante PhD

See Also



[Programming in D](#)

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers who are new to computer programming. Although...



[Psychologisches Testverfahren](#)

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG, Eignungstest für das Medizinstudium, Adult Attachment Interview,...



[Comic Maths: Sue: Fantasy-Based Learning for 4, 5 and 6 Year Olds](#)

The Captain Papadopoulos Publishing Company, United Kingdom, 2012. Paperback. Book Condition: New. Brian Williamson (illustrator). 276 x 214 mm. Language: English . Brand New Book ***** Print on Demand *****.Comic Maths: Sue (Key Stage 1, Level 1) has been created for children...



[Adobe Indesign CS/Cs2 Breakthroughs](#)

Peachpit Press, 2005. Softcover. Book Condition: Neu. Gebrauch - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Adobe InDesign is taking the publishing world by storm and users are hungry for breakthrough solutions to...



[The Java Tutorial \(3rd Edition\)](#)

Pearson Education, 2001. Softcover. Book Condition: Neu. Gebrauch - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Praise for "The Java' Tutorial, Second Edition" includes: "This book stands above the rest because it has...



[The Stories Julian Tells A Stepping Stone BookTM](#)

Random House Books for Young Readers. Paperback. Book Condition: New. Ann Strugnell (illustrator). Paperback. 80 pages. Dimensions: 7.6in. x 5.0in. x 0.4in.Julian is a quick fibber and a wishful thinker. And he is great at telling stories. He can make peopleespecially his...