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Containment in the Pharmaceutical Industry - James P. Wood 2020-03-26
Delivering an encompassing overview of the factors, varieties, and applications determining product containment, this concise reference provides authoritative information on containment processes. It reviews the historical context, definition, evolution, and application of containment technology, analyzes a variety of containment techniques in new
ISPE Good Practice Guide - Ispe 2018-11-30
Regional Submission -

Sustainable Flow Chemistry - Luigi Vaccaro 2017-03-14
This ready reference not only presents the hot and emerging topic of modern flow chemistry, it is also unique in illustrating the important connection to sustainable chemistry. Focusing on more sustainable methods and applications, the text extensively covers every important field from reaction time optimization to waste minimization, and from safety improvements to microwave applications. In addition, green metrics are presented as a key aspect of the book, helping readers to evaluate the efficiency of flow technologies and their impact on the overall efficiency of a chemical process. An invaluable handbook for every chemist working in the laboratory, whether in academia or industry.
Analysing Design Activity - Nigel Cross 1997-01-23
Design encompasses some of the highest cognitive abilities of human beings, including creativity, synthesis and problem solving. A substantial and varied range of research methods has been developed and adopted for the analysis of design activity, but until now it has been difficult to compare the work of different researchers using different methods. This book contains the results of an international workshop held in Delft, The Netherlands, which focused on one particular research method, that of protocol analysis. Researchers from seventeen different leading centres around the world were invited to analyse the same video recordings of designers working on an engineering product design. The 20 chapters in this book are the records of that workshop, providing rich insights into the design process and an overview of accumulated knowledge on design from these researchers. There is also a discussion of the properties and limitations of protocol analysis as a research technique for analysing design activity. The book is a substantial contribution to developing understanding of the nature of design activity, and is of value to researchers, teachers and practitioners of design.
Aging in Europe - J. J. F. Schroots 1999

Strategy is Digital - Carlos Cordon 2016-06-01
This book presents strategies and practices to allow everyday companies to cope with the fundamentally changing landscape of business models and to take advantage of the huge business opportunities arising from the advent of big data. It develops several case studies from companies in traditional industries like LEGO, Yamato and Mediq, but also examines small start-ups like Space Tango, which is partnering with major multinationals to develop new business models using big data. The book argues that businesses need to adapt and embark on their big data journey, helps them take the first step, and guides them along their way. It presents successful examples and deducts essential takeaway lessons from them, equipping executives to capitalize on big data and enabling them to make intelligent decisions in the big data transformation, giving their companies an essential competitive edge.
GAMP Good Practice Guide - 2005

Scaling Topic Maps - Lutz Maicher 2008-08-15
The papers in this volume were presented at TMRA 2007, the International Conference on Topic Maps Research and Applications, held October 11–12, 2007, in Leipzig, Germany. TMRA 2007 was the third conference in an annual series of international conferences dedicated to Topic Maps in science and industry. The motto of TMRA 2007 was “Scaling Topic Maps.” Taken literally the motto implies developing Topic Maps approaches that scale to large data and user volumes. This is a very real and useful research problem which is addressed by many of the contributions to the conference. But there is an even broader interpretation of the motto: wide adoption of Topic Maps in academia and industry. This is an equally important problem, and one that the TMRA conference series exists to help solve. And there is a more fanciful view on the motto. To “scale” can also mean to climb, so for the attendees the conference provided a way to “scale the mountain of Topic Maps.” In all these ways TMRA 2007 helped to scale Topic Maps.
Practical Attribute and Variable Measurement Systems Analysis (MSA) - Mark Allen Durivage 2015-07-27
This book a result of 30 years of quality-related work experience was written to aid quality technicians and engineers. It provides the quality professional working in virtually any industry a quick, convenient, and comprehensive guide to properly conducting measurement systems analysis (MSA). The intent of this book is to provide background and examples on the application of gage R&R methodology (test method validation) for variable and attribute data, help for those who work with devices that don t fit the usual approach, and ideas for measurement devices that require innovation to assess their performance under off-line, static conditions. The ultimate objective is to determine how best to improve the control and performance of a process. The reader is assumed to be familiar with basic control charting methodology since assessment of statistical control of the measurement process is important. One may wonder why performing a gage R&R is so important; the simple answers are profit, public health, and safety. Companies that are shipping product that is out of specification can be subjected to expensive litigation, especially in the aviation, pharmaceutical, and medical device industries. This book will be a useful reference when preparing for and taking many of the ASQ quality certification examinations, including the Certified Quality Technician (CQT), Certified Calibration Technician (CCT), Certified Quality Inspector (CQI), Certified Six Sigma Green Belt (CSSGB), Certified Quality Engineer (CQE), Certified Six Sigma Black Belt (CSSBB), and Certified Reliability Engineer (CRE).
Hunter's Diseases of Occupations, Tenth Edition - Peter J Baxter 2010-10-29
Winner of the 2011 BMA book awards: medicine category In the five decades since its first publication, Hunter's Diseases of Occupations has remained the pre-eminent text on diseases caused by work, universally recognized as the most authoritative source of information in the field. It is an important guide for doctors in all disciplines who may encounter occupational diseases in their practice, covering topics as diverse as work and stress, asbsetos-related disease, working at high altitude and major chemical incidents, many of which are highly topical. The Tenth Edition of Hunter's Diseases of Occupations has been fully revised and updated, presenting all practitioners considering an

occupational cause for a patient's condition with comprehensive coverage of work-related diseases as they present in modern and developing industralised societies. It draws on the wide-ranging and in-depth clinical knowledge and experience, and acadmic excellence, of top experts in the field.

Steady and Periodic Pressure Measurements on a Generic Helicopter Fuselage Model in the Presence of a Rotor - Raymond E. Mineck 2000

A wind tunnel test of a generic helicopter fuselage model with an independently mounted rotor has been conducted to obtain steady and periodic pressure data on the helicopter body. The model was tested at four advance ratios and three thrust coefficients. The periodic unsteady pressure coefficients are marked by four peaks associated with the passage of the four rotor blades. Blade passage effects are largest on the nose and tail boom of the model. The magnitude of the pulse increases with rotor thrust coefficient. Tabular listings of the unsteady pressure data are included to permit independent analysis. A CDrom containing the steady and unsteady pressure data presented in the report is available from the authors.

5-Star Career - Penelope Przekop 2021-11-09

Industries across the globe manufacture products and provide services that you deem 5-star worthy; their goal is to satisfy your needs and desires. They follow the proven science of quality management to make that happen because it is common sense, and its effectiveness is irrefutable. 5-Star Career: Define and Build Yours Using the Science of Quality Management provides common-sense, strategic context for personally implementing quality concepts that reflect your goals as well as your own definition of a 5-star life and career. This book provides the following benefits: Explains how the science of quality management can ensure customer satisfaction, which is what industry uses to gauge the quality of products and services. Relates that explanation to you on a personal level including how the basic concepts and components of the science apply to your career/job, the path it has taken, and can take. Challenges you to identify your authentic needs and desires following the thorough process, research methodology, and data analysis corporations rely on to understand their customers. It tells you how to do all of that, and provides a unique tool to help you gather and analyze the right type of data and information. Clarifies the critical role that controlled systems and processes play in the science of quality management, the role they play in the personal application of quality management, and their surprising power to ensure intended outcomes. Explains how to apply the proven decision-making methodology (used by industry) to identify the best possible process that leads to the career you deem as 5-star worthy, and to address the career elements that will satisfy your authentic needs and desires. Relays how risk-based decision-making is key not only to identifying a process that ensures success but also to addressing the unexpected curveballs that will surely come your way. Penelope Przekop built a 30-year career around the science of quality management while struggling to overcome the uniquely disturbing childhood she shared with her brother. Along the way, she internalized the science used to build quality into products and services and discovered how it can be personally applied to build and manage not only the quality of a career but also the quality of a life.

Mobile Web and Intelligent Information Systems - Jamal Bentahar 2021-08-16

This book constitutes the refereed proceedings of the 17th International Conference on Mobile Web and Intelligent Information Systems, MobiWIS 2021, held as a virtual event, in August 2021. The 15 full papers presented in this book were carefully reviewed and selected from 40 submissions. The papers of MobiWIS 2021 deal focus on topics such as security and privacy; web and mobile applications; networking and communication; intelligent information systems; and IoT and ubiquitous computing.

The Medicines (Applications for Manufacturer's and Wholesalers Licenses of Right) Regulations - Great Britain

Enabling power:The Medicines Act 1968 ss. 18, 129(1).. Made:27.08.71.. Laid:02.09.71.. Coming into force:01.09.71.. Effect:None

Basic Bioreactor Design - Klaas van't Riet 1991-01-07

Based on a graduate course in biochemical engineering, provides the basic knowledge needed for the efficient design of bioreactors and the relevant principles and data for practical process engineering, with an emphasis on enzyme reactors and aerated reactors for microorganisms. Includes exercises,

Pharmaceutical Dosage Forms and Drug Delivery Systems - Howard C. Ansel 1999

This work covers the entire scope of pharmaceutics, from the basics of drug dosage and routes of administration to the finer points of drug discovery, drug product development, legislation and regulations governing quality standards and product approval for marketing.

Practical Design of Experiments (DOE) - Mark Allen Durivage 2016-02-25

This book was written to aid quality technicians and engineers. It is a result of 30 years of quality-related work experience. To that end, the intent of this book is to provide the quality professional working in virtually any industry a quick, convenient, and comprehensive guide to properly conducting design of experiments (DOE) for the purpose of process optimization. This is a practical introduction to the basics of DOE, intended for people who have never been exposed to design of experiments, been intimidated in their attempts to learn about DOE, or have not appreciated the potential of this family of tools in their process improvement and optimization efforts. In addition, this book is a useful reference when preparing for and taking many of the ASQ quality certification examinations, including the Certified Quality Technician (CQT), Certified Six Sigma Green Belt (CSSGB), Certified Quality Engineer (CQE), Certified Six Sigma Black Belt (CSSBB), and Certified Reliability Engineer (CRE).

Ecotrain Green Career Guide - 2009-09

Ecotrain Green Career Guide#13;#13;#13;#13;Ecotrain Media Group presents the most comprehensive green career and business guide in the world. Co-founder provides 17 years of personal interest in ?sustainability,? and green research into a green career resource with over 125 pages of useful information, directories, and green industry contacts. Our guide will save you thousands of hours of personal research, time and money allowing you to spend your time landing that green job, green career, or green project first. Ecotrain Green Career Guide is for Individuals, Educators, Business, and Entrepreneurs.#13;#13;#13;#13;Ecotrain Green Career Guide provides 3 sections vital to your success no matter who, what, when, how, and where you are at in your transition to a GREEN future.#13;#13;#13;#13;Green Industry and Employment Breakdowns pp. 6-65#13;#13;This comprehensive section will step you through a non biased approach and summary background to the growing cleantech economy, and five industry sectors: the 1) Green Economy as a whole, 2) Renewable Energy, 3) Green Building

ISPE Good Practice Guide - Ispe 2019-03-25

Who Expert Committee on Specifications for Pharmaceutical Preparations - WHO Expert Committee on Specifications for Pharmaceutical Preparations. Meeting 2013

WHO's international guidelines, written and physical standards developed under the aegis of this Expert Committee for more than 60 years are designed to serve all Member States, international organizations, United Nations agencies, regional and interregional harmonization efforts, and underpin important initiatives, including the prequalification of medicines, the Roll Back Malaria Programme, Stop TB, essential medicines and medicines for children. The Forty-seventh WHO Expert Committee on Specifications for Pharmaceutical Preparations adopted 26 new monographs and general texts for inclusion in The International Pharmacopoeia,/I>. The specifications under development are internationally applicable test methodologies for anti-infective, antimalarial, antituberculosis, contraceptives and antiretroviral medicines, as well as medicines for children. In addition, the following four written standards were adopted in the area of quality assurance and are now available for implementation : * Release procedure for International Chemical Reference Substances (update); * WHO guideline on quality risk management (new) * WHO guideline on variations to a prequalified product (update) * Collaborative procedure between the WHO Prequalification of Medicines Programme and national medicines regulatory authorities in the assessment and accelerated national registration of WHO-prequalified pharmaceutical products (new).

Coordination Models and Languages - Simon Bliudze 2020-06-10

This book constitutes the proceedings of the 22nd International Conference on Coordination Models and Languages, COORDINATION 2020, which was due to be held in Valletta, Malta, in June 2020, as part of the 15th International Federated Conference on Distributed Computing Techniques, DisCoTec 2020. The conference was held virtually due to the COVID-19 pandemic. The 12 full papers and 6 short papers included in this volume were carefully reviewed and selected from 30 submissions. They are presented in this volume together with 2 invited tutorials and 4 tool papers. The papers are organized in the following topical sections: tutorials; coordination languages; message-based communication; communications: types & implementations; service-oriented computing; large-scale decentralized systems; smart contracts; modelling; verification & analysis.

Pharmaceutical Quality Systems - Oliver Schmidt 2000-04-30

When a pharmaceutical company decides to build a Quality System, it has to face the fact that there aren't any guideline that define exactly how such a system has to be built. With terms such as quality system, quality assurance, and quality management used interchangeably, even defining the system's objectives is a problem. This book provides a pr

Countering the Problem of Falsified and Substandard Drugs - Institute of Medicine 2013-06-20

The adulteration and fraudulent manufacture of medicines is an old problem, vastly aggravated by modern manufacturing and trade. In the last decade, impotent antimicrobial drugs have compromised the treatment of many deadly diseases in poor countries. More recently, negligent production at a Massachusetts compounding pharmacy sickened hundreds of Americans. While the national drugs regulatory authority (hereafter, the regulatory authority) is responsible for the safety of a country's drug supply, no single country can entirely guarantee this today. The once common use of the term counterfeit to describe any drug that is not what it claims to be is at the heart of the argument. In a narrow, legal sense a counterfeit drug is one that infringes on a registered trademark. The lay meaning is much broader, including any drug made with intentional deceit. Some generic drug companies and civil society groups object to calling bad medicines counterfeit, seeing it as the deliberate conflation of public health and intellectual property concerns. Countering the Problem of Falsified and Substandard Drugs accepts the narrow meaning of counterfeit, and, because the nuances of trademark infringement must be dealt with by courts, case by case, the report does not discuss the problem of counterfeit medicines.

Lyophilization of Biopharmaceuticals - Henry R. Costantino 2004

Humans have been experimenting with lyophilization, or freeze-drying, as a method to preserve biological structures for over a thousand years. This comprehensive volume, intended for scientists in both academia and industry, covers a wide range of topics relevant to the formulation of peptide and protein drugs in the freeze-dried state.

Rules and Guidance for Pharmaceutical Manufacturers and Distributors (Orange Guide) 2017 - Great Britain. Medicines and Healthcare products Regulatory Agency 2017-01-06

Familiarly known as the Orange Guide, this title is an essential reference work for all those involved in the manufacture and distribution of medicines in Europe. It is compiled by the UK drug regulatory body, MHRA, and brings together the European and UK guidance documents and information on legislation relating to the manufacture and distribution of medicines for human use. It contains EU guidance on good manufacturing and good distribution practice along with relevant information on EU and UK legislation. Changes in this new edition: Revised Annex 15. The revision of Annex 15 takes into account changes to other sections of the EudraLex, Volume 4, Part I, relationship to Part II, Annex 11, ICH Q8, Q9, Q10 and Q11, QWP guidance on process validation, and changes in manufacturing technology. Revised Annex 16. The GMP Guide Annex 16 has been revised to reflect the globalisation of the pharmaceutical supply chains and the introduction of new quality control strategies. The revision has been carried out in the light of Directive 2011/62/EU amending Directive 2001/83/EC as regards the prevention of the entry into the legal supply chain of falsified medicinal products. This version also implements ICH Q8, Q9 and Q10 documents, and interpretation documents, such as the manufacturing and importation authorisation (MIA) interpretation document, as applicable. Also, some areas, where the interpretation by Member States has not been consistent, have been clarified. This revised Annex came into operation 15 April 2016. The introduction of guidelines on setting health based exposure limits for use in risk identification in the manufacture of different medicinal products in shared facilities. The introduction of guidelines on the formalised risk assessment for ascertaining the appropriate GMP for excipients. The addition of the Guidelines on principles of Good Distribution Practice of active substances for medicinal products for human use (2015/C 95/01). These guidelines provide stand-alone guidance on Good Distribution Practice (GDP) for manufacturers, importers and distributors of active substances for medicinal products for human use. These guidelines should be followed as of 21 September 2015. The addition of the principles and guidelines of Good Manufacturing Practice (GMP) for active substances for medicinal products for human use, including active substances intended for export. Revisions to the UK Human Medicines Regulations 2012. MHRA GMP Data Integrity Definitions and Guidance for Industry is now included which sets out MHRA expectations for data integrity in good manufacturing practice (GMP). The Guidance complements existing EU GMP guidance and should be read in conjunction with national medicines legislation and the GMP standards published in Eudralex volume.

Practical Engineering, Process, and Reliability Statistics - Mark Allen Durivage 2014-10-27

This book was written to aid quality technicians and engineers. It is a compilation of 30 years of quality-related work experience and the result of frustration at the number of books necessary, at times, to provide statistical support. To that end, the intent of this book is to provide the quality professional working in virtually any industry a quick, convenient, and comprehensive guide to properly utilize statistics in an efficient and effective manner. This book will be a useful reference when preparing for and taking many of the ASQ quality certification examinations, including the Certified Quality Technician (CQT), Certified Six Sigma Green Belt (CSSGB), Certified Quality Engineer (CQE), Certified Six Sigma Black Belt (CSSBB), and Certified Reliability Engineer (CRE). This book is an expansion of the work of Robert A. Dovich in his books Quality Engineering Statistics and Reliability Statistics. It builds on and expands Dovich's method of presenting statistical applications in a simple, easy-to-follow format.

Pharmaceutical Water Systems - Theodore H. Meltzer 1996-01-01

Pharmaceutical Supply Chain Security - United States House of Representatives 2020-01-15

Pharmaceutical supply chain security: hearing before the Subcommittee on Criminal Justice, Drug Policy, and Human Resources of the Committee on Government Reform, House of Representatives, One Hundred Ninth Congress, second session, July 11, 2006.

Practical Process Validation - Mark Allen Durivage 2016-07-14

For the past decade, process validation issues ranked within the top six of Food and Drug Administration (FDA) form 483 observation findings issued each year. This poses a substantial problem for the medical device industry and is the reason why the authors wanted to write this book. The authors will share their collective knowledge: to help organizations improve patient safety and increase profitability while maintaining a state of compliance with regulations and standards. The intent of this book is to provide manufacturing quality professionals working in virtually any industry a quick, convenient, and comprehensive guide to properly conduct process validations that meet regulatory and certification requirements. It will aid quality technicians, engineers, managers, and others that need to plan, conduct, and monitor validation activities.

Complexity and Criticality - Kim Christensen 2005

This book provides a challenging and stimulating introduction to the contemporary topics of complexity and criticality, and explores their common basis of scale invariance, a central unifying theme of the book.Criticality refers to the behaviour of extended systems at a phase transition where scale

invariance prevails. The many constituent microscopic parts bring about macroscopic phenomena that cannot be understood by considering a single part alone. The phenomenology of phase transitions is introduced by considering percolation, a simple model with a purely geometrical phase transition, thus enabling the reader to become intuitively familiar with concepts such as scale invariance and renormalisation. The Ising model is then introduced, which captures a thermodynamic phase transition from a disordered to an ordered system as the temperature is lowered in zero external field. By emphasising analogies between percolation and the Ising model, the reader's intuition of phase transitions is developed so that the underlying theoretical formalism may be appreciated fully. These equilibrium systems undergo a phase transition only if an external agent finely tunes certain external parameters to particular values.Besides fractals and phase transitions, there are many examples in Nature of the emergence of such complex behaviour in slowly driven non-equilibrium systems: earthquakes in seismic systems, avalanches in granular media and rainfall in the atmosphere. A class of non-equilibrium systems, not constrained by having to tune external parameters to obtain critical behaviour, is addressed in the framework of simple models, revealing that the repeated application of simple rules may spontaneously give rise to emergent complex behaviour not encoded in the rules themselves. The common basis of complexity and criticality is identified and applied to a range of non-equilibrium systems. Finally, the reader is invited to speculate whether self-organisation in non-equilibrium systems might be a unifying concept for disparate fields such as statistical mechanics, geophysics and atmospheric physics.Visit http://www.complexityandcriticality.com for animations for the models in the book (available for Windows and Linux), solutions to exercises, as well as a list with corrections.

WHO Expert Committee on Specifications for Pharmaceutical Preparations - World Health Organization 2018

The Expert Committee on Specifications for Pharmaceutical Preparations works towards clear, independent and practical standards and guidelines for the quality assurance of medicines. Standards are developed by the Committee through worldwide consultation and an international consensus-building process. The following new guidelines were adopted and recommended for use: - WHO guidelines on good herbal processing practices for herbal medicines; - Guidelines on good manufacturing practices for the manufacture of herbal medicines; - Considerations for requesting analysis of medicine samples; - WHO model certificate of analysis; - WHO guidance on testing of "suspect" falsified medicines; - Good pharmacopoeial practices - Chapter on monographs for compounded preparations; - Good pharmacopoeial practices - Chapter on monographs on herbal medicines; - Guidelines on heating, ventilation and air-conditioning systems for non-sterile pharmaceutical products; - Guidance on good practices for desk assessment of compliance with good manufacturing practices, good laboratory practices and good clinical practices for medical products regulatory decisions; - Stability testing of active pharmaceutical ingredients and finished pharmaceutical products; and - Collaborative procedure in the assessment and accelerated national registration of pharmaceutical products and vaccines approved by stringent regulatory authorities.

GAMP 5 - Sion Wyn 2008

GAMP 5 provides pragmatic and practical industry guidance to achieve compliant computerized systems fit for intended use in an efficient and effective manner. This technical document describes a flexible risk-based approach to compliant GxP regulated computerized systems, based on scalable specification and verification. It points to the future of computer systems compliance by centering on principles behind major industry developments such as PQLI; ICH Q8, Q9, Q10; and ASTM E2500. This revolutionary Guide addresses the entire lifecycle of an automated system and its applicability to a wide range of information systems, lab equipment, integrated manufacturing systems, and IT infrastructures. It contains new information on outsourcing, electronic batch recording, end user applications (such as spreadsheets and small database applications), and patch management.

Mobile Web and Intelligent Information Systems - Muhammad Younas 2017-08-04

This book constitutes the refereed proceedings of the 14th International Conference on Mobile Web and Intelligent Information Systems, MobiWIS 2017, held in Prague, Czech Republic, in August 2017. The 23 full papers together with 4 short papers presented in this volume were carefully reviewed and selected from 77 submissions. The call for papers of the MobiWis 2017 included new and emerging areas such as: mobile web systems, recommender systems, security and authentication, context-awareness, mobile web and advanced applications, cloud and IoT, mobility management, mobile and wireless networks, and mobile web practice and experience.

Divine Moments; Ordinary People Having Spiritually Transformative Experiences - Nancy Clark 2012-05

Nancy Clark's life was transformed forever by a near-death and a near-death-like experience that resulted in her passion to show us that humans can experience the reality of their true, authentic self - the self that is rooted in the divine and brimming with love for all humanity. She has been researching spiritually transformative experiences for thirty years and now in this groundbreaking book, she has compiled diverse spiritually transformative experiences happening to ordinary people today. The experiences are varied and include near-death and near-death-like experiences, out-of-body experiences, after-death communications, spiritual awakenings, religious conversion experiences, meditative and prayerful experiences, and mystical experiences. Learn how these individuals awakened to a new understanding of their deepest assumptions about the eternal questions: Why am I here? Where am I going? What is the purpose of life? Learn how their inner wisdom can assist all of us in understanding that we are more than biological beings; we are spirits of consciousness that are gifted with a love born of our divine nature.

Novel Industry 4.0 Technologies and Applications - Nikolaos Papakostas 2020-11-25

The Industry 4.0 paradigm has led to the creation of new opportunities for taking advantage of a set of diverse technologies in the manufacturing domain. This book touches on a series of advanced technologies and research fields, including Internet of Things, Augmented and Virtual Reality, Machine Learning, Advanced Robotics, Additive Manufacturing, System and Process Simulation, Computer-Aided Design/Engineering/Manufacturing/Process Planning Systems as well as Product Lifecycle Management Platforms. The topics covered span a series of diverse areas related to a) product design and development, b) manufacturing systems and operations, c) process engineering, and d) Industry 4.0 technologies review and realization.

Principles of Parenteral Solution Validation - Igor Gorsky 2019-11-27

Principles of Parenteral Solution Validation: A Practical Lifecycle Approach covers all aspects involved in the development and process validation of a parenteral product. By using a lifecycle approach, this book discusses the latest technology, compliance developments, and regulatory considerations and trends, from process design, to divesting. As part of the Expertise in Pharmaceutical Process Technology series edited by Michael Levin, this book incorporates numerous case studies and real-world examples that address timely problems and offer solutions to the daily challenges facing practitioners in this area. Discusses international and domestic regulatory considerations in every section Features callout boxes that contain points-of-interest for each segment of the audience so readers can quickly find their interests and needs Contains important topics, including risk management, the preparation and execution of properly designed studies, scale-up and technology transfer activities, problem-solving, and more

Six Sigma for Business Excellence - Penelope Przekop 2005-09-05

The Six Sigma process excellence program, based on Johnson & Johnson's unique approach Six Sigma for Business Excellence shows managers at all levels of Six Sigma proficiency how to create a process excellence program that addresses both company goals and day-to-day operations. Using Johnson & Johnson's Process Excellence Program as a model, Johnson & Johnson's director of quality, Penelope Przekop, walks readers through the real world of implementing a Six Sigma program. Examples and insights from Johnson &

Johnson as well as other Six Sigma companies detail: How to apply Six Sigma principles and techniques immediately with little supervision from senior managers or black belts How to resolve communication issues between management and the Six Sigma team Ways to become a Six Sigma champion without assistance from senior management or black belts Methods and tools that managers at all levels can incorporate into their departments, improving quality and performance from the inside out

Thai Pharmacopoeia - Drug Committee and the Food and Drug Administration of Thailand 1987

Trust in Transactions - Prasanta Ray 2019