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Soggetti	Drugs - Dosage forms Pharmaceutical industry Tablets (Medicine) Electronic books.
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Nota di contenuto	Cover; Title Page; Copyright Page; Dedication; Contents; Preface; Abbreviations; Chapter One - Introduction; 1.1 - General considerations; 1.2 - Particle sizes; 1.3 - Excipients; 1.3.1 - Ac-Di-Sol SD-711; 1.3.2 - Aerosil 200; 1.3.3 - Avicel PH-102; 1.3.4 - Compactrol; 1.3.5 - Corn starch; 1.3.6 - Di-Tab; 1.3.7 - Eudragit RS PO; 1.3.8 - Magnesium stearate 5712; 1.3.9 - Mannitol 60; 1.3.10 - Methocel K4M Premium; 1.3.11 - Methocel K100M Premium; 1.3.12 - Methocel K100LV Premium; 1.3.13 - Pharmatose 150M; 1.3.14 - Polyplasdone XL-10; 1.3.15 - Povidone; 1.3.16 - Primojel; 1.3.17 - Pruv 1.3.18 - Sodium bicarbonate1.3.19 - Starch 1500; 1.3.20 - Stearic acid 2236; 1.3.21 - Sterotex K; 1.3.22 - Tablettose 80; 1.3.23 - Talc; 1.4 - Equipment; 1.5 - Mixing of pharmaceutical powders; 1.6 - Design of experiments; 1.6.1 - Introduction to statistical design of experiments - the two-level factorial; 1.6.1.1 - Introduction; 1.6.1.2 - Designed experiments; 1.6.1.3 - Basic considerations; 1.6.1.4 - Two-level factorials; 1.6.1.5 - Two-level fractional factorials; 1.6.2 - Response surface methodology (RSM); 1.6.2.1 - Introduction; 1.6.2.2 - RSM and a sieving process variable study

1.6.2.3 - RSM investigation of the properties of a three-component tablet formulationReferences; Chapter two - Conventional-Release (CR) Tablets; 2.1 - Low-dose tablet by direct compression (DC); 2.1.1 - Properties of active pharmaceutical ingredient (API); 2.1.2 - Design; 2.1.3 - Manufacturing method; 2.1.4 - Remarks; 2.2 - High-dose tablet by direct compression; 2.2.1 - Properties of active pharmaceutical ingredient; 2.2.2 - Design; 2.2.3 - Manufacturing method; 2.2.4 - Remarks; 2.3 - Low-solubility API, low-dose tablet by wet granulation (WG)
2.3.1 - Properties of active pharmaceutical ingredient2.3.2 - Design; 2.3.3 - Manufacturing method; 2.3.4 - Remarks; 2.4 - Soluble API, low-dose tablet by wet granulation; 2.4.1 - Properties of active pharmaceutical ingredient; 2.4.2 - Design; 2.4.3 - Manufacturing method; 2.4.4 - Remarks; 2.5 - Low-solubility API, high-dose tablet by wet granulation; 2.5.1 - Properties of active pharmaceutical ingredient; 2.5.2 - Design; 2.5.3 - Manufacturing method; 2.5.4 - Remarks; 2.6 - Soluble API, high-dose tablet by wet granulation; 2.6.1 - Properties of active pharmaceutical ingredient; 2.6.2 - Design
2.6.3 - Manufacturing method2.6.4 - Remarks; References; Chapter three - Slow-Release (SR) Tablets; 3.1 - Slow-release tablet using a lipophilic release control agent; 3.1.1 - Properties of active pharmaceutical ingredient (API); 3.1.2 - Design; 3.1.3 - Manufacturing method; 3.1.4 - Remarks; 3.2 - Slow-release tablet using Eudragit and Methocel as release control agents; 3.2.1 - Properties of active pharmaceutical ingredient; 3.2.2 - Design; 3.2.3 - Manufacturing method; 3.2.4 - Remarks; 3.3 - Slow-release tablet using a mixture of Methocels as release control agent
3.3.1 - Properties of active pharmaceutical ingredient

Sommario/riassunto

Design and Manufacture of Pharmaceutical Tablets offers real world solutions and outcomes of formulation and processing challenges of pharmaceutical tablets. This book includes numerous practical examples related to actual formulations that have been validated and marketed and covers important data in the areas of stability, dissolution, bioavailibity and processing. It provides important background and theoretical information on design and manufacturing and includes a full section dedicated to design experimental methodology and statistics. In addition, this book offers a a general discuss

2. Record Nr. UNISA996465643403316

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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 73
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Soggetti	Computers Computer science Theory of Computation Computer Science, general
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Nota di contenuto	to the algebraic theory of graph grammars (a survey) -- A tutorial and bibliographical survey on graph grammars -- Partially-additive monoids, graph-growing, and the algebraic semantics of recursive calls -- Rewriting systems as a tool for relational data base design -- Programmed graph grammars -- Shortest path problems and tree grammars: An algebraic framework -- Constructing specifications of abstract data types by replacements -- Decomposition of graph grammar productions and derivations -- Locally star gluing formulas for a class of parallel graph grammars -- Transformations of data base structures -- Explicit versus implicit parallel rewriting on graphs -- Two-level graph grammars -- A pumping lemma for context-free graph languages -- Two-dimensional, differential, intercalary plant tissue growth and parallel graph generating and graph recurrence systems -- Parallel generation of maps: Developmental systems for cell layers -- Processes in structures -- Map grammars: Cycles and the algebraic approach -- On multilevel — Graph grammars -- Graph grammars and operational semantics -- Complexity of pattern generation by map-L systems -- A graph grammar that describes the

set of two-dimensional surface networks -- Definition of programming language semantics using grammars for hierarchical graphs -- Determinism in relational systems -- Analysis of programs by reduction of their structure -- Graphs of processors -- Definitional mechanisms for conceptual graphs -- A graph-like lambda calculus for which leftmost-outermost reduction is optimal -- Relationships between graph grammars and the design and analysis of concurrent software -- Cellular graph automata -- List of participants.