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Autore	Eyjolfsson Reynir
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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 bicarbonate 1.3.19 - 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 formulation References; Chapter two - Conventional-Release (CR)

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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, bioavailability 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 general discuss
