

Download Process Chemistry In The Pharmaceutical Industry

Without process R&D there would be no modern pharmaceutical industry. Yet, unlike most other areas of chemistry, it is not taught in schools. As a consequence, the only way for chemists to acquire chemical development expertise is through on-the-job training--a process that can last several years. This book examines statistical techniques that are critically important to Chemistry, Manufacturing, and Control (CMC) activities. Statistical methods are presented with a focus on applications unique to the CMC in the pharmaceutical industry. BENEFITS OF QBD [6] Better understanding of the process; Less batch failure. Reduction of post-approval submissions. Better innovation due to the ability to improve processes without resubmission to the FDA when remaining in the Design Space. Practitioner's Section Sustainability in the chemical and pharmaceutical industry - results of a benchmark analysis Jürgen Peukert and Karin Sahr