

Handbook of Analysis and Pharmaceutical Quality: Nano-Methods

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1 INTRODUCTION

Due to the unique features that arise from materials at the nanometer length scale, it is anticipated that nanotechnology will play a large role in emerging technologies, including those found in the pharmaceutical industry. The impact of drug delivery systems, nano-therapeutics, or combination products could affect treatment of disease by enabling targeted delivery or controlled delivery of therapeutics, which could minimize drug usage or decrease the frequency of drug use, while enhancing the safety profile (1,2). In addition, the ability to design multifunctional particles that can