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Abstract

Applications of Quality by Design (QbD) in formulation development

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Abstract:

The main objective of pharmaceutical development is to design a quality product and its manufacturing process to consistently deliver the intended performance of the product. Pharmaceutical industry realized that Quality by Design (QbD) principles, when implemented, lead to a successful product development, subsequent prompt regulatory approval, reduce exhaustive validation burden, and significantly reduce postapproval changes and also Pharm., Barcelona. He is responsible for development of a helps to build a quality in all pharmaceutical products. Hence the application of QbD in pharmaceutical product development is now a thrust Harmonization and United States Food and Drug Administration (USFDA) emphasized the principles and Target product quality profile, critical quality attributes, risk assessments, design space, control strategy, product lifecycle management, with QbD, it is essential to define desire product various national and international conferences.

performance profile Target product profile (TPP), Target product Quality profile(TPQP) and identify Critical quality attributed (CQA) leads to recognize the impact of raw material, Critical material attributes (CMA), Critical process parameter (CPP), on the CQA's and identification and source of variability.

Biography:

Dr. Ridhurkar works as an Expert Scientist at Neurax value-added complex formulations. He has over 13 years of experience and was associated with various reputed pharmaceutical companies like Egis, Hungary, Dr. Reddys, area for the regulatory authorities and the India. He is expert in using platform technologies like hot melt pharmaceutical industry. International Conference on extrusion, nanotechnology, and cyclodextrin complexation. He obtained his M. Pharm, Ph.D. degree in Pharmaceutics from IIT, Varanasi, India. He is a member of editorial board for various applications of QbD in pharmaceutical pharmaceutical journals and has earned to his credit over 8 peerdevelopment in their guidance for the industry. reviewed papers in reputed international and national journals and 5 patents to his credit. He has been associated with various pharmaceutical bodies in India and American Association of and Pharmaceutical Scientists. He is a member of programme continual improvement are the key elements of QbD. advisory committee for Pharma Connect Congress, Hungary Throughout designing and development of a product and has attended and delivered seminars and presentations at

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