

THE USE OF STATISTICAL PROCESS CONTROL IN PHARMACEUTICALS INDUSTRY

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Abstract The use of statistical process control has gained a major importance in the last years due to very good results that it provides and due to the ease of interpretation of the results, even by the people who are not specialists in the field. An essential quality, that differs the statistical process control from the other quality analysis statistical methods is that it examines the process in all stages, not only in the final stage. The increase of the competitiveness in all areas of industry made that the methods used in quality control to be more performant. No organization can maintain a high standard without a performant quality control. The pharmaceutical industry is one of the most important industries, holding an essential role in human's health in particular and in welfare of the whole society in general. This application is meant to illustrate, by using some of statistical indices, control diagrams and capability process indices, how it is used the statistical process control in the pharmaceutical industry and highlights both advantages and disadvantages of using it.

Key words: statistical process control, pharmaceutical industry, capability process indices, control diagrams