

Improvement of QMS Performances by Using the Statistics Techniques in Control of Quality in the Process of Water Treatment for Free Residual Chlorine

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Abstract

One of the priority tasks in quality management is to find the most appropriate procedures to describe and to then to influence the progress of processes which are directly address to their quality and capability. For this purpose were developed the concept of control sheets as fundamental tool for statistic control of process quality. The control sheets provide a simple graphic method to asses is the process had reach or not “the statistic control status” or if it is maintained. The assessment is performed by comparison of values or methods of one or more statistics calculated on a ordered series of samples or sub-groups with control limits. There is a variety of typical control sheets, each drafted for the types of decisions that should be made, nature of dates and the type of used statistics. The paperwork describes an experimental study regarding the capability of drinking water treatment process for the content of free residual chlorine, using the control sheets for the individual values and mobile amplitude, for two points of drinking water sampling: at the entrance in drinking water supply network of Brasov City and towards the end of supply network.

Keywords: performant, quality management, capability, control sheets, water treatment

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