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Methods for evaluating the flowability of powdered drug substance

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Abstract

This article presents the results of research on the development of a new method for evaluating the flow properties of powdered drugs, which is based on sequential dosing of the test substance in the container of the same volume and the subsequent definition of the standard deviation portions dosed substances, so-called, "the relative scatter sample" of the substance, which is a measure of the flow properties of the substance. The estimation accuracy of the dosing substances is a few tenths of a milligram. To assess the flowability by the novel process developed effective device that mimics real conditions in the tablet dosing machine capable of accurately and in a short time to evaluate the flowability of substances taken in small quantities.