

Quality by Design for Analytical Procedures -- Measurement Uncertainty

By [Jane Weitzel](#) Oct 1, 2014 4:00 am PDT

Measurement uncertainty is defined by the International Vocabulary of Metrology (commonly known as VIM) as the "non-negative parameter characterizing the dispersion of the quantity values being attributed to a measure and, based on the information used". The important word in the definition is "dispersion". Measurement uncertainty describes the range around the reported value in which the actual value could be; it is a quantitative indication of the quality of the reported value. Often the output of an analytical procedure is reported as a single value. However, the output would be better described...

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