

Measurement Uncertainty and Specifications for Kinetic Studies

By **William R. Porter** Jun 19, 2014 9:52 am EDT

Key Points Measurement processes produce uncertain results, and measured values must be stated along with an estimate of uncertainty of the measurement process: As a consequence, specifications must be written as absolute values so that decisions as to whether particular measured values comply with specifications can be performed using guard-banding techniques defined by the standard uncertainty of the measurement process. Specifications currently expressed in terms of rounded values must be translated into absolute specifications. Experiments in which critical-to-quality values are expected...

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