

Procedure: Statement of conformity for calibration certificate

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Organization	Kanomax USA, Andover NJ

Scope:

This procedure applied to ISO accreditation calibration activities where the Kanomax USA laboratory provides a determination of compliance with Kanomax's specifications (manufacturer specifications).

Statement of conformity rule:

The Kanomax USA laboratory uses Pass, Fail, or Undefined as a conformity statement.

Laboratory default decision rule:

The Kanomax USA laboratory declares conformity when the obtained value +/- expanded uncertainty lies entirely within the manufacturer's specified tolerance limits. If expanded uncertainty is greater than the manufacturer's specified tolerance limits, the laboratory doesn't declare conformity statement.

Expanded measurement uncertainty:

$U(r_)$ at coverage factor of $k=2$

Statement of Conformity wording examples

Example 1

The item is Pass with respect to the manufacturer's specification of $\pm 0.5^\circ\text{C}$.

Decision Rule:

Conformity was determined using the laboratory's default decision rule: the measured value \pm expanded uncertainty ($k=2$) must lie within the tolerance limits.

Example 2

Pass/Fail cannot be determined because the measurement uncertainty is greater than the manufacturer's specification.

Decision Rule:

Conformity was determined using the laboratory's default decision rule: the measured value \pm expanded uncertainty ($k=2$) but the uncertainty is greater than the manufacturer's specification of $\pm 0.5^{\circ}\text{C}$.

End of procedure