

# State of Conformity Decision Rule

When our calibration certificates include a statement of compliance with specifications, the results are evaluated according to specific guidelines. Below follows an explanation of how to interpret your calibration certificate.

All measurements are associated with some level of uncertainty. According to EA4/02 (Expression of the Uncertainty of Measurement in Calibration) and ISO/IEC Guide 98-3:2008, Guide to the Expression of Uncertainty in Measurement (GUM), the uncertainty is stated as the probability that the measurement result is within a certain tolerance interval.

## Conformance with Specification

The conformance with specification has been determined in accordance with ILAC-G8:09/2019. The statement of conformance is based on a 95% coverage probability for the expanded uncertainty and is only valid for the tested measurements.

All statements of conformance with specification in your certificate are reported according to Figure 1 & Table 1.

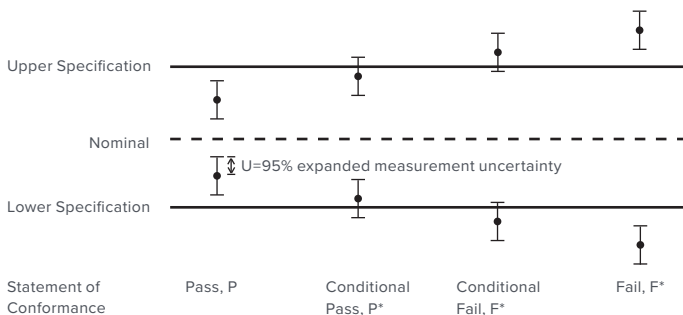


Figure 1. Conformance levels as reported in your calibration certificate.

Conformance Level	Means
<b>P</b>	<b>PASS</b> - The measured value is within the specification by a margin greater than the expanded uncertainty.
<b>P*</b>	<b>CONDITIONAL PASS</b> - The measured value is within the specification by a margin less than the expanded uncertainty. Therefore, it is not possible to state conformance with specification using a 95% coverage probability for the expanded uncertainty.
<b>F*</b>	<b>CONDITIONAL FAIL</b> - The measured value is outside the specification by a margin less than the expanded uncertainty. Therefore, it is not possible to state non-conformance with specification using a 95% coverage probability for the expanded uncertainty.
<b>F</b>	<b>FAIL</b> - The measured value is outside the specification by a margin greater than the expanded uncertainty.
<b>NS</b>	<b>NO SPECIFICATION</b> - The measured value has no specification.
<b>NM</b>	<b>NOT MEASURED</b> - The measurement has not been performed and no value is tested against the specification.

Table 1. Conformance levels as reported in your calibration certificate.

## RaySafe

*We empower our everyday heroes to focus only on protecting lives.*

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