



## Measurement Traceability Policy

### Introduction

This Measurement Traceability Policy outlines the laboratory's commitment to ensuring the accuracy and reliability of its test results by establishing and maintaining measurement traceability to national and international standards.

### Purpose

The purpose of this policy is to ensure that the laboratory's measurements are traceable to recognised national and international standards, in order to provide confidence in the accuracy and reliability of the laboratory's test results.

### Scope

This policy applies to all measurements performed by the laboratory, including tests and calibrations.

### Definitions

Measurement traceability is the property of a measurement result whereby the result can be related to a reference through a documented unbroken chain of comparisons, all having stated uncertainties, to a reference standard with a known measurement uncertainty.

Measurement uncertainty is a parameter, associated with the result of a measurement, that characterises the range of values within which the true value of the measurement is to be found.

### Policy

- The laboratory will establish and maintain measurement traceability to national and international standards, as appropriate, for all measurements performed.
- The laboratory will participate in proficiency testing programs and interlaboratory comparisons to demonstrate measurement traceability and to assess the accuracy of its measurements.
- The laboratory will use reference standards and equipment that are traceable to national and international standards, as appropriate.

- The laboratory will regularly calibrate its equipment and reference standards and will document the calibration results in accordance with the laboratory's quality management system (QMS).
- The laboratory will ensure that its personnel are trained in the use of reference standards and equipment, and in the importance of maintaining measurement traceability.
- The laboratory will document the measurement traceability of its results in accordance with its QMS.
- The laboratory will regularly review its measurement traceability processes and procedures to ensure they remain relevant and effective.

## Conclusion

The laboratory is committed to ensuring the accuracy and reliability of its test results by establishing and maintaining measurement traceability to national and international standards. This Measurement Traceability Policy is an important part of the laboratory's QMS, and is intended to ensure that the laboratory's measurements are of the highest quality