



TRAINING THAT DEVELOPS  
*REAL CAPABILITY*



**Interpretation and  
Understanding of Test Results  
from Testing Laboratories**

LS038

# Interpretation and Understanding of Test Results from Testing Laboratories

The consequences of a 'fail' result can be significant and can result in difficult decisions.

ISO 17025:2017 was updated to enhance the confidence of laboratory customers in the results reported. It's impossible to know the level of risk nor make a statement of conformance if the measurement uncertainty has not been calculated. Laboratory clients indicate that they now see unfamiliar terminology within the reports including measurement uncertainty, decision rules, compliance statements, and confidence levels

Any measurement is an approximation of the true value and is only complete when accompanied by a statement of uncertainty. Understanding the content of a test report is essential to make qualified risk-based decisions.

This course was developed to support organisations in the life science sector in interpreting and understanding test reports from laboratories performing chemical, physical, or microbiological testing.

## Duration & Price

Duration: TBC

Public Virtual Training: €395

Delivery mode: This programme is available In-Company, and via Public Virtual Training

## Dates & Locations

Date	Venue	<a href="#">Book Date</a>
03 Apr 2025	virtual	

## In-Company Training

Please [contact us](#) for more information on our In-Company training options

## What's covered?

This course will cover;

- The meaning and significance of Laboratory Accreditation.
- Appreciation of the level of detail provided in test reports and ISO 17025:2017 requirements for reporting.
- Technical terminology within Test Reports (Measurement Uncertainty, Limit of Detection, Limit of Quantification, Unit of Measure, Test Method, Coverage Factor & Confidence Level).
- Ability to read and interpret all sections of the test report.
- Decision Rules and Compliance Statements: evaluation of the reported results and associated measurement uncertainty against the requirements of regulations/standards and product specifications.
- An overview of Laboratory Technical Competency for ensuring the Validity of Results (Test Method Validation, Metrological Traceability, QC Checks, and Proficiency Testing).
- Updates to SQA & Contract documentation to reflect your requirements for test report content.
- Sampling techniques – good practice techniques for laboratory clients performing sampling.

The interactive training programme applies different training methods and styles to effectively deliver key messages, e.g., discussions, group activities and demonstrations. The training includes practical exercises enabling the trainee to verify their knowledge and skills.

The Tutor is experienced in auditing against the ISO 17025:2017 and supporting laboratories and end users and will share experiences to support understanding.

## Who should participate?

Anyone who requires an understanding of (1) How to interpret and understand test reports and (2) Assessing laboratory competence - including personnel from the following areas;

- Quality & Regulatory
- Production
- Design and Development
- Supply Chain

## What will I learn?

Participants achieve the following learning outcomes from the programme;

- Ability to understand and evaluate test report content, including reported results and associated measurement uncertainty.
- Understand how to review the results and the reported uncertainty against applicable regulations/standards and technical product requirements.
- Improved competency in selecting, evaluating, monitoring and reevaluating testing laboratories.
- How to update your company's SQA/supplier contract to include test report requirements (including determination of decision rules and compliance statements).
- Confidence to converse with laboratory staff using technical terminology applicable to their role. This is beneficial when auditing laboratories.

## How do we train and support you?

The interactive training programme applies different training methods and styles to effectively deliver key messages, e.g., discussions, group activities and demonstrations. The training includes practical exercises enabling the trainee to verify their knowledge and skills.

The Tutor is experienced in auditing against the requirements of ISO 17025:2017 and in supporting laboratories and end users and will share experiences to support understanding.

The training includes a pre-course work quiz with answers and this encourages the trainee to focus on the topic to be covered. This course includes an end-of-course assessment. Attendees can avail of a certificate of attendance and a certificate of assessment, which can provide helpful evidence of competency.

The course will include a test certificate checklist, which is useful when evaluating, selecting and agreeing on a contract with a testing laboratory and a checklist for auditing the technical requirements of a testing laboratory.

**In-House Courses** – Clients are advised to discuss the requirements with the tutor and are strongly encouraged to share samples of their test reports for inclusion in the customised course material. Practical exercises can be carried out where appropriate using your test reports.

**Note** - there is a slight overlap with the SQT training course on Interpretation and Understanding of Calibration Certificates. Clients booking both courses may opt to combine the two courses into one and a half days.

## Tutors



**Anne Marie Newell**

[View Profile](#)

## What Our Learners Say

We believe in excellence through transparency and continuous improvement. That's why we invite all our delegates to share their experiences on [CourseCheck.com](https://www.coursecheck.com), an independent platform dedicated to genuine, unfiltered feedback. Learner insights help us not only to enhance our training programmes but also empower potential learners to make informed decisions. Click on the link below to read firsthand experiences and testimonials from past learners.



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# TRAINING THAT DEVELOPS *REAL* CAPABILITY

SQT provide a unique combination of high quality, accredited, practical training delivered by leading industry experts and supported by the most up to date learning technology and tools

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- Lean Six Sigma
- Join our Lean Six Sigma Network
- Continual Process Improvement
- Project & Programme Management

## COMPLIANCE, STANDARDS & AUDITING

- Quality
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- Health & Safety
- Food Safety
- Life Sciences
- Laboratory
- Integrated Management Systems

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