

**Specification of Competency Standards**  
**for the Testing, Inspection and Certification Industry**  
**Unit of Competency**

Functional Area - Testing Operations

Title	Review test results
Code	105867L5
Range	This unit of competency (UoC) covers the abilities to review and analyse test results generated from the laboratory / on-site testing activities. Practitioners should be capable to verify scientific calculations and evaluate invalid test results.
Level	5
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Establish the requirements of reviewing test results</p> <ul style="list-style-type: none"> <li>• Command the concepts of metrology, measurement traceability and uncertainty.</li> <li>• Command the principles of data integrity and specify the requirements of recording and presenting data/observations.</li> <li>• Employ the international system of units, significant figures reporting and rounding policy.</li> <li>• Describe the checking procedures for calculation of test data.</li> <li>• Specify the requirements of quality control check parameters of test methods/standards and documented procedures.</li> </ul> <p>2. Review test results</p> <ul style="list-style-type: none"> <li>• Verify test results by checking the scientific calculations.</li> <li>• Identify transcription errors or atypical entries and rectify errors in compliance with documented procedures.</li> <li>• Effectively examine completeness of information to ensure unbroken chain of data traceability.</li> <li>• Examine anomalies in data and identify possible invalid test results.</li> <li>• Exercise appropriate judgement to decide for re-analysis of sample with doubtful test results.</li> <li>• Evaluate the results of quality control check parameters against the established criteria.</li> <li>• Determine for acceptance of test results by evaluating the compliance of method quality control criteria.</li> </ul> <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> <li>• Ensure test results are reviewed and checked thoroughly within the agreed time frame.</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> <li>• review test results critically against the completeness of information and expectation to identify any invalid test results,</li> <li>• determine for acceptance of test results by critically evaluating the compliance of measurement uncertainty and acceptance criteria.</li> </ul>
Remark	