

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

Functional Area - Testing Operations

Title	Control reference materials and working standards
Code	105879L4
Range	This unit of competency (UoC) covers the abilities to control and maintain reference materials and working standards by applying established procedures to prevent their contamination or deterioration in the testing laboratory.
Level	4
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge of using and handling reference materials and working standards</p> <ul style="list-style-type: none"> • Categorise different classes of reference materials in compliance with the requirements specified in the test methods. • Describe the application of different classes of reference materials used for measurements. • Apply the concepts of metrology and SI units of measurement to testing activities. • Describe the procedures for safe handling, transport, storage and use of reference materials and working standards. <p>2. Control reference materials and working standards</p> <ul style="list-style-type: none"> • Select suitable class of reference materials to verify a range of measuring instruments and test methods. • Use reference materials and working standards in a safe and metrologically sound manner. • Store and transport reference materials and working standards to prevent contamination and/or deterioration in accordance with standard operating procedures. • Undertake regular maintenance of reference materials and working standards in accordance with the maintenance register. • Examine defective reference materials and working standards and report for replacement or re-verification. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Maintain reference materials and working standards to protect their integrity in the laboratory.
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • select suitable class of reference materials and working standards for laboratory use in a safe and metrologically sound manner, • handle, store, transport and maintain reference materials and working standards to prevent contamination and/or deterioration.
Remark	