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

## Functional Area - Testing Operations

Functional Area - Testing Operations	
Title	Perform basic chemical tests and procedures
Code	105791L3
Range	This unit of competency (UoC) covers the abilities to carry out chemical tests and measurements according to test methods to record data in testing laboratories.
Level	3
Credit	2 (For Reference Only)
Competency	Performance Requirements  1. Possess knowledge of metrology and chemical test methods  • Apply the concepts of metrology including repeatability, precision, accuracy, significant figures, sources of error, uncertainty and traceability.  • Describe the purpose of performing laboratory testing and the requirements of test method.  • Apply the principles of basic analytical techniques and describ the operation of the equipment involved, e.g.:  • gravimetric analysis,  • titrimetric analysis,  •
Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to:

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## Functional Area - Testing Operations

	<ul> <li>carry out chemical tests and procedures by using appropriate reagents and equipment according to the requirements of the test method and complete the tests within agreed time limit,</li> <li>record and calculate test data accurately and legibly and document test data properly to maintain their security and traceability.</li> </ul>
Remark	