

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

Functional Area - Testing Operations

Title	Perform care performance tests
Code	105859L4
Range	This unit of competency (UoC) covers the abilities to carry out suitable care performance tests on textile and garment products independently, record accurate test data and judge test results by employing knowledge of care label and care performance in testing laboratories.
Level	4
Credit	4 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge of care performance and related tests</p> <ul style="list-style-type: none"> • Employ the principles of care label and care performance, e.g. dimensional stability and appearance after washing, home laundering, relaxation and felting, commercial dry-cleaning, free steaming, heating. • Describe the methods of measurements for care performance tests. • Specify the requirements of care performance tests to selected type of textile and garment product. • Identify relevant care performance standards and specifications, e.g.: <ul style="list-style-type: none"> ○ international and national standards such as AATCC, ISO, EN, DIN, AS/NZS, CAN/CGSB, WOOLMARK, JIS, BS, GB, NF, ○ manufacturers' and/or clients' specifications. • Explain the principles and operation of equipment used for the care performance tests, e.g. Wascator, automatic washer, automatic tumble dryer, dry-cleaning machine, wira steam cylinder, calliper, ruler. • Apply the concepts of uncertainty and equipment calibration to care performance tests. <p>2. Perform care performance tests</p> <ul style="list-style-type: none"> • Select appropriate test methods/standards and environmental conditions for care performance tests. • Apply appropriate testing equipment for the care performance tests. • Apply appropriate conditions to the testing equipment, e.g.: <ul style="list-style-type: none"> ○ size of ballast, mass and type of detergent for home laundering, ○ washing programme, washing powder and loading of Wascator, automatic washer. • Apply appropriate conditioning requirements according to the washing methods and drying methods. • Carry out care performance tests independently according to the test methods/standards. • Carry out required validation checks to confirm the equipment requirements such as zero check of digital calliper are met. • Record accurate test data and judge test results to confirm the care performance of the test sample in compliance with the required specifications. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Ensure all tests are carried out in compliance with good laboratory practices under relevant categories of standards. • Ensure integrity and confidentiality of laboratory data and information by observing the code of conduct as required by the standards and the organisation.
Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to:

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	<ul style="list-style-type: none">• carry out care performance tests on selected textile and garment product independently by applying appropriate testing equipment and environmental conditions according to the requirements of test methods/standards,• record accurate and reliable test data by data validation and verifying equipment calibration status,• judge test results to confirm the compliance of care performance of the product against the relevant specifications of test methods/standards and/or manufacturers/clients.
Remark	