



Australian Government

MSTTX2010 Perform wool quality tests

Release: 1

MSTTX2010 Perform wool quality tests

Modification History

Release 1. Supersedes and is equivalent LMTEW2012A Perform tests to check wool quality.

Application

This unit of competency describes the skills and knowledge required to set up and operate equipment used for sampling and laboratory testing wool quality.

Work is conducted in small to large scale workplaces and may involve individual and team activities. Work is performed by employees undertaking wool quality testing activities according to defined procedures under direct supervision.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

N/A

Unit Sector

Textile production

Elements and Performance Criteria

Elements		Performance Criteria	
Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1.	Prepare laboratory equipment for test process	1.1	Determine job requirements and confirm testing procedures
		1.2	Select and prepare required equipment
		1.3	Determine equipment settings, and check and calibrate equipment
		1.4	Ensure work area around equipment is clean and ready for testing to commence
2.	Evaluate properties of wool samples	2.1	Handle test equipment, instruments and fibre samples according to specified procedures
		2.2	Test physical properties of wool samples according to specified procedures

Elements		Performance Criteria	
Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
		2.3	Test chemical properties of wool samples according to specified procedures
		2.4	Test contamination of wool samples according to specified procedures
		2.5	Identify and quantify types of contamination
		2.6	Clean work area and dispose of waste in line with waste management procedures
3.	Communicate test information	3.1	Complete test records, and associated documents, according to workplace procedures
		3.2	Report test results according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria of this unit of competency.

- Reading skills to interpret work instructions, product requirements and test procedures
- Numeracy skills to read and interpret test results

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent LMTEW2012A Perform tests to check wool quality.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTTX2010 Perform wool quality tests

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- performed wool quality tests on at least five different samples of wool, to determine:
 - physical properties
 - chemical properties
 - presence and identification of contaminants.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- procedures, operating principles, and safe work practices for operating wool sampling and test equipment
- laboratory instrument set-up and calibration requirements
- waste management procedures relating to testing process
- testing quality standards
- typical contaminants found in wool samples
- general housekeeping policies and procedures, including cleaning agents and equipment used in wool quality tests
- recording and reporting procedures relating to wool quality tests.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - a standard laboratory set up for testing wool samples
 - safety equipment and standard operating procedures
- modelling of industry operating conditions, including access to wool samples.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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