



Australian Government

FWPWPP4202 Perform laboratory testing

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPIWPP4202B Perform laboratory testing, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to test blends, glues, additives, materials, products and any other entities produced by the enterprise, to ascertain causes of a problem or to improve techniques.

The unit applies to those performing laboratory testing in a forest and wood products factory setting.

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

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing

Timber Manufactured Products

Wood Panel Products

Timber Truss and Frame Design and Manufacture

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for testing.	1.1 Review work order and check with appropriate personnel. 1.2 Identify, clarify and follow safe work procedures for performing laboratory testing. 1.3 Identify hazards and control risk in the work environment relevant to

	<p>own role and responsibility.</p> <p>1.4 Obtain type and quantity of items for testing.</p> <p>1.5 Select and calibrate equipment and check for operational effectiveness in line with manufacturer's recommendations.</p> <p>1.6 Plan testing process in line with site procedures.</p>
2. Test samples.	<p>2.1 Interpret and analyse problem or improvement requirement.</p> <p>2.2 Prepare samples and identify manufacturing dates, times and batches from production records.</p> <p>2.3 Establish, review and interpret test data.</p> <p>2.4 Conduct test in line with industry standards.</p> <p>2.5 Check results by further sampling and testing.</p>
3. Evaluate and report test outcomes.	<p>3.1 Evaluate test results for implications and impacts on production process.</p> <p>3.2 Take action to rectify or improve upon test results achieved.</p> <p>3.3 Communicate test results to production personnel to facilitate process control or changes.</p> <p>3.4 Provide results to external authorities in line with registration systems.</p> <p>3.5 Record and report testing process and equipment faults to appropriate personnel.</p>

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	<ul style="list-style-type: none"> interpret numerical data use measuring instruments estimate quantities when choosing samples for testing.
Reading skills to:	<ul style="list-style-type: none"> follow written instructions.
Writing skills to:	<ul style="list-style-type: none"> write reports of test results.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIWPP4202B Perform laboratory testing

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>