

<b>Title</b>	<b>Collect wood fibre material samples, and assess and report wood fibre material quality</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with unit standard are able to: manage hazards associated with collecting and assessing wood fibre material quality; describe the reasons for sampling wood fibre materials, and the factors affecting accurate wood fibre material sampling; collect and test wood fibre material samples using accepted and appropriate methods and equipment; and describe procedures for ensuring the accuracy of test equipment.
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<b>Classification</b>	Wood Handling and Distribution > Wood Preparation
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation  
Health and Safety at Work Act 2015.  
Resource Management Act 1991.
- 2 Definitions  
*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider wood handling and distribution industry as examples of best practice.  
*Wood fibre material* refers to wood chips, shavings, and sawdust.  
*Workplace procedures* refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor’s instructions, and procedures to comply with legislative and local body requirements relevant to the wood handling and distribution sector.
- 3 Assessment information  
All activities and evidence must meet workplace procedures and accepted industry practice.
- 4 Recommended unit standard for entry:  
Unit 20760, *Monitor and control contamination in wood chip and wood fibre materials*.

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## Outcomes and performance criteria

### Outcome 1

Manage hazards associated with collecting and assessing wood fibre material quality.

#### Performance criteria

1.1 Hazards associated with collecting and assessing wood fibre materials quality are identified and actions to be taken to manage the hazard are described.

Range hazards may include but are not limited to – moving equipment, dust, mobile plant, noise.

1.2 Safe work practices associated with collecting and assessing wood fibre materials quality are identified and used.

Range practices may include but are not limited to – isolation procedures, lock-outs, emergency stops, machine guarding, wearing appropriate safety equipment.

### Outcome 2

Describe the reasons for sampling wood fibre materials, and the factors affecting accurate wood fibre material sampling.

#### Performance criteria

2.1 Reasons for wood fibre material sampling are described.

2.2 Factors affecting accurate wood fibre material sampling are described.

### Outcome 3

Collect and test wood fibre material samples using accepted and appropriate methods and equipment.

#### Performance criteria

3.1 Wood fibre material samples are collected.

3.2 Wood fibre material samples are visually inspected for size distribution, shape, and contamination.

3.3 Wood fibre material samples are tested for size distribution.

Range parameters may include but are not limited to – screen area, screen layout, travel distance, screen movement, test time, screen configuration.

3.4 Wood fibre material samples are tested for moisture content.

- 3.5 Wood fibre material samples are tested for bark and grit content and other contaminants.
- 3.6 Test results are calculated and reported.
- 3.7 Potential problems with wood fibre material samples' size distribution, shape and contamination are reported.
- 3.8 Wood fibre material samples are packaged, labelled, stored, and kept free from contamination.

#### Outcome 4

Describe procedures for ensuring the accuracy of test equipment.

#### Performance criteria

- 4.1 Procedures for ensuring the accuracy of testing equipment are described.
- Range procedures may include but are not limited to – calibration, repeatability, check weights.

<b>Planned review date</b>	31 December 2024
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 December 2006	N/A
Review	2	28 May 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Comments on this unit standard

Please contact Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.