



Australian Government

FBPSUG2024 Perform standard tests on cane samples

Release: 1

FBPSUG2024 Perform standard tests on cane samples

Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

Application

This unit of competency describes the skills and knowledge required to perform standard tests on cane samples for routine factory control. Cane sample tests are typically routine, repetitive procedures based on defined methods, and require interpretation of results within clearly defined guidelines.

The unit applies to individuals who work under supervision in the sugar milling industry.

All work must be carried out to comply with workplace procedures according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Nil

Unit Sector

Sugar milling (SUG)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for testing	1.1 Identify requirements and methods for cane testing 1.2 Confirm testing equipment is available and fit for use according to workplace procedures 1.3 Prepare and label test chemicals and reagents as required by test method and workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Prepare samples as required by test method 1.5 Conduct and record pre-test checks according to workplace procedures
2. Conduct test	2.1 Conduct test in accordance with test method and test schedule 2.2 Identify and report atypical test results according to workplace procedures 2.3 Record and communicate test results according to workplace procedures 2.4 Follow procedures to repeat or validate results for atypical test results 2.5 Clean, care for and store equipment according to workplace procedures 2.6 Dispose of waste materials according to workplace procedures
3. Record test data in laboratory information system	3.1 Enter results into laboratory information system according to workplace procedures 3.2 Check data and correct data entry errors as required 3.3 Store and retrieve data in the laboratory information system according to workplace procedures 3.4 Produce standard reports from laboratory information system according to workplace procedures

Foundation Skills

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

Skill	Description
Reading	Interpret standard operating procedures, specifications, sampling schemes and schedules
Numeracy	Interpret numerical test data
Navigate the world of work	- Understand main tasks, responsibilities and boundaries of own role - Apply workplace procedures relevant to own role

Skill	Description
Get the work done	• Complete tasks in logical order • Use workplace digital system to record and store results

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPSUG2024 Perform standard tests on cane samples	FDFSUG224A Perform standard tests on cane samples	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>

Assessment Requirements for FBPSUG2024 Perform standard tests on cane samples

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has performed standard tests on cane samples in line with workplace contexts and demonstrated each of the following points at least once:

- confirmed availability of test equipment, chemicals and reagents
- prepared required samples
- performed test procedures
- communicated test results
- identified and reported out-of-specification results
- recorded and checked data in the laboratory information system
- cleaned and stored equipment and treated, recycled or disposed of tested materials after testing.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- purpose of the test procedure on cane testing, including the principles of the test method and of equipment used
- terminology relating to cane testing
- specific test methods and procedures for cane
- typical causes of out-of-specification results, and procedure for repeating the analysis on cane samples
- laboratory information system recording and reporting requirements relevant to cane testing.
- safe work procedures, including hazards associated with specific test procedure requirements, working with chemicals and test equipment
- environmental and waste handling requirements and procedures relevant to cane testing.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a sugar milling workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - personal protective equipment
 - test equipment, chemicals and reagents and related equipment
 - materials to be tested
 - laboratory recording and reporting system
- specifications:
 - test methods and procedures
 - sample labelling and recording requirements and procedures
 - workplace procedures including advice on safe work practices and environmental requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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