



Australian Government

FBPSUG3007 Perform factory control tests

Release: 1

FBPSUG3007 Perform factory control tests

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 tests for factory control. These tests are typically complex and/or non-routine and require interpretation of results within broad guidelines.

The unit applies to individuals working in the sugar industry who are required to perform factory control tests and record data in a sugar mill.

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 testing requirements and methods according to workplace requirements 1.2 Select, fit and use personal protective equipment according to workplace procedures 1.3 Manage calibration of test equipment according to operating

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	procedures 1.4 Prepare standard graphs according to workplace procedures 1.5 Prepare and label test chemicals and reagents according to workplace procedures 1.6 Prepare samples as required by test method 1.7 Conduct and record pre-test checks according to workplace procedures
2. Conduct test	2.1 Perform test according to test method and test schedule 2.2 Identify and report atypical test results 2.3 Record and communicate test results according to recordkeeping requirements 2.4 Follow procedures to repeat or validate 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 systems according to workplace procedures 3.2 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 and non-standard reports from laboratory information system

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
Numeracy	- Calculate and confirm calibration of equipment - Review and validate numerical test data and results - Produce graphical information

Skill	Description
Navigate the world of work	• Apply workplace procedures relevant to own role • Understand own role and associated responsibilities
Get the work done	• Complete tasks in logical order • Use workplace digital system to record and store data • Organise and filter system information to produce required reports

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPSUG3007 Perform factory control tests	FDFSUG307A Perform factory control tests	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 FBPSUG3007 Perform factory control tests

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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 factory control tests in line with workplace contexts and demonstrated each of the following points at least once:

- identified test requirements and methods
- selected, fitted and used personal protective equipment (PPE)
- prepared test equipment, chemicals and reagents for testing
- safely prepared required samples
- managed calibration of test equipment
- conducted tests and recorded results
- communicated test results
- identified and reported non-conformances
- recorded information 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:

- laboratory information system recordkeeping requirements
- methods used to plot, analyse and present test data, including production of both standard and non-standard reports
- purpose of the test procedure, including a basic knowledge of chemistry and physics principles relating to the tests performed, and operating principles of equipment used
- specific test methods and procedures
- terminology relating to the types of tests and related methods used
- typical causes of out-of-specification results, and procedure for repeating the analysis

- safe work procedures, including hazards associated with specific test procedure requirements, working with chemicals and test equipment.

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:
 - PPE
 - test equipment, chemicals and reagents and related equipment
 - materials to be tested
 - sample labelling and recording system
 - laboratory recording and reporting system
- specifications:
 - operating procedures and related advice on equipment operation, including advice on safe work practices
 - test methods and procedures
 - workplace standards and procedures.

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

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