Australian Government

FBPGRA3027 Monitor a purification system

Release: 1

FBPGRA3027 Monitor a purification system

Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 6.0.

Application

This unit of competency describes the skills and safety knowledge required to set up, operate, monitor and shut down a separation and grading system to effectively separate break or sizing stocks into clean semolina (endosperm), composite stock (endosperm with bran adhering) and branny stocks.

This unit applies to individuals who work in a grain processing environment, under the direction of the miller or head miller. It typically targets the production worker responsible for applying basic operating principles to the operation and monitoring of purification equipment and processes.

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

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

Pre-requisite Unit

Nil

Unit Sector

Grain Processing (GRA)

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 the purification equipment	1.1 Confirm materials are available according to operating requirements

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and process for operation	1.2 Carry out pre-start checks according to workplace instructions 1.3 Identify and confirm work area is clean according to food safety standards, and equipment is not locked out 1.4 Select, fit and use personal protective equipment and clothing as required of workplace policies 1.5 Check processing or operating parameters to meet safety requirements
2. Operate and monitor equipment	2.1 Start and monitor the process according to safe work procedures 2.2 Identify any variation in equipment operation, and report to miller 2.3 Take and check product samples to confirm that grain is separated in line with specifications, and report any variation 2.4 Identify and report out-of-specification product and process outcomes according to workplace procedures 2.5 Maintain the work area according to safe work and food safety procedures 2.6 Maintain workplace records according to workplace procedures
3. Shut down the purification process	3.1 Identify the appropriate shutdown procedure 3.2 Assist with shutting down the process safely according to operating procedures 3.3 Identify and report maintenance requirements according to workplace procedures 3.4 Ensure waste is disposed of in line with environmental requirements

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 directions for the safe operation of equipment

Skill	Description
Writing	• Record product and processing information using digital and/or paper-based formats
Numeracy	• Measure product and ingredients using weight (kg, T) and volume (L, hL), to two decimal points • Use percentages (%) as they apply to mixes of grain • Monitor supply and flow of materials to and from the break roll process • Accurately interpret readings on scales and gauges

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPGRA3027 Monitor a purification system	FBPGRA2005 Operate a purification process	Unit title and code updated to better match work task Minor changes to Performance Criteria to clarify intent Foundation Skills refined Performance Evidence clarified Minor changes to Knowledge Evidence and Assessment Conditions	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4

      Skills Impact