



Australian Government

FBPOPR3010 Operate and monitor a filtration process

Release: 1

FBPOPR3010 Operate and monitor a filtration process

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 knowledge required to set up, operate, adjust and shut down a filtration process to filter products such as juice, milk and edible oils. The unit includes the use of membrane and other filter systems.

This unit applies to individuals who work in a food processing environment. It typically applies to the production worker responsible for applying basic operating principles to the operation and monitoring of a filtration process and associated equipment.

All work must be carried out to comply with workplace procedures according to state/territory health and safety, environmental 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

Operational (OPR)

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 work in processing area	1.1 Confirm materials are available to meet product specification 1.2 Confirm cleaning and maintenance requirements and status according to health, safety and food safety requirements 1.3 Wear appropriate personal protective clothing and ensure correct

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	fit
2. Prepare the filtration equipment and process for operation	2.1 Fit machine components and related attachments, and adjust to meet operating requirements 2.2 Enter processing and operating parameters to meet safety and production requirements 2.3 Carry out pre-start checks according to safe work procedures
3. Operate and monitor equipment	3.1 Start, operate and monitor the process according to safe work procedures 3.2 Monitor the process to confirm that solids are separated from liquid, and specifications are met 3.3 Take samples and test to ensure product meets specifications 3.4 Identify, rectify and report out-of-specification equipment, product or process outcomes according to workplace requirements 3.5 Follow and apply workplace housekeeping and environmental requirements
4. Shut down the filtration process	4.1 Identify the appropriate shutdown procedure 4.2 Shut down the process according to safe work procedures 4.3 Identify and report maintenance requirements according to workplace procedures 4.4 Maintain workplace records 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 product specification and standard operating procedures relevant to job task - Interpret production requirements
Writing	Record processing information using digital and/or paper-based format

Skill	Description
Numeracy	• Monitor and interpret production and process control indicators and data • Read gauges accurately

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPOPR3010 Operate and monitor a filtration process	FBPOPR2037 Operate a filtration process	Unit merged with FBPOPR2057 Operate a membrane process Unit code and title updated to match complexity of task Minor changes to Performance Criteria for clarity Foundation Skills refined Performance Evidence clarified Minor changes to Knowledge Evidence and Assessment Conditions	Not equivalent
FBPOPR3010 Operate and monitor a filtration process	FBPOPR2057 Operate a membrane process	Unit merged with FBPOPR2037 Operate a filtration process	Not equivalent

Links

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