## **Modification history**

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical
	Training Package Version 5.0

FBPOPR3X10	Operate and monitor an homogenising process
Application	This unit of competency describes the skills and knowledge required to set up, operate, adjust and shut down a homogenising process.
	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 homogenising process and associated equipment.
	All work must be carried out to comply with workplace procedures, in accordance with State/Territory work health and safety, and food 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.
Prerequisite Unit	Nil
Unit Sector	Operational (OPR)

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for work in processing area	<ul> <li>1.1 Confirm materials are available to meet processing requirements</li> <li>1.2 Identify and confirm cleaning and maintenance requirements and status according to health and safety and food safety requirements</li> <li>1.3 Wear appropriate personal protective clothing and equipment and ensure correct fit</li> </ul>
2. Prepare homogenising process for operation	<ul> <li>2.1 Fit machine components and related attachments and adjust to meet operating requirements</li> <li>2.2 Enter processing and operating parameters as required to meet safety and production requirements</li> <li>2.3 Carry out pre-start checks according to workplace health and safety and operating procedures</li> </ul>
3. Operate and monitor equipment	<ul> <li>3.1 Start, operate and monitor the process to ensure optimal operations</li> <li>3.2 Monitor the process to confirm that specifications are met</li> <li>3.3 Identify, rectify and report out-of-specification equipment, product or process outcomes according to workplace requirements</li> <li>3.4 Follow and apply workplace housekeeping and environmental procedures</li> </ul>
4. Shut down homogenising equipment	<ul> <li>4.1 Identify the appropriate shutdown procedure</li> <li>4.2 Shut down the process according to health and safety and operating procedures</li> <li>4.3 Identify and report maintenance requirements according to workplace procedures</li> <li>4.4 Maintain workplace records according to workplace procedures</li> </ul>

Foundation Skills	
	e language, literacy, numeracy and employment skills that are essential for competency but are not explicit in the performance criteria.
Skill	Description
Reading	Interpret workplace and standard operating procedures relevant to work     task
Writing	<ul> <li>Interpret production requirements</li> <li>Record operating, routine maintenance and shutdown information on</li> </ul>
vinang	electronic, digital and/or paper-based formats
Numeracy	<ul> <li>Monitor and interpret production and process control indicators and data including temperature (°C), pressure, volume (mL, L)</li> <li>Monitor supply and flow of materials to and from the process</li> </ul>

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPOPR3X10 Operate and monitor an homogenising process	FBPOPR2043 Operate an homogenising process	Unit code and title updated to better match complexity of task Minor change to unit Application	Equivalent unit
		Minor changes to Performance Criteria to clarify task	
		Foundation skills refined Performance Evidence clarified	
		Minor changes to Knowledge Evidence to clarify requirements and Assessment Conditions	

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

TITLE		Assessment requirements for FBPOPR3X10 Operate and monitor an homogenising process
Perfo	rmance Evidence	
criteria There n one bat • con • • • • star incl	of this unit. nust be evidence that ch of food to specifica ducting pre-start chec inspecting equipment selecting appropriate cancelling isolation or confirming that equip positioning sensors a ensuring any schedul confirming that all saf ting, operating, monito uding monitoring cont	ks, including: condition to identify any signs of wear settings and/or related parameters lock-outs as required ment is clean and correctly configured for processing requirements
•	throughput	
• taki	•	response to out-of-specification results.
• pur	pose and basic princip	iteria of this unit. This includes knowledge of: les of homogenising of equipment used in the operation of a homogenising process, including:
•	main equipment comp status and purpose of	ponents
•		tion of sensors and related feedback instrumentation
tem	perature, consistency	homogenisation, including variables, including solids (brix), acidity, and colour on process outcomes
<ul> <li>the</li> <li>ope</li> <li>spe</li> </ul>	flow of the homogenis rating requirements a cified operating param	
• typi • •	cal equipment faults re signs and symptoms early warning signs o	
		or the homogenising process, including inspecting, measuring and testing
e insp		tices (GMP) relevant to work task control points) in the process, and the related procedures and recording
req	uired	ion in the operation of the homogenising process and corrective action
• req req	uirements of different	s and controls relevant to the operation of the homogenising process shutdowns as appropriate to the process and workplace production mergency and routine shutdowns and procedures to follow in the event of a
• isol	ation, lock-out and tag	-out procedures and responsibilities required for the operation of the

- isolation, lock-out and tag-out procedures and responsibilities required for the operation of the homogenising process
- procedures and responsibility for reporting production and performance information
- environmental issues and controls relevant to the homogenising process, including waste/rework collection and handling procedures related to the process

## Knowledge Evidence

- basic operating principles of process control, including the relationship between control panels and systems and the physical equipment
- cleaning and sanitation procedures required for homogenising equipment
- procedures to record traceability of product.

## **Assessment Conditions**

Assessment of skills must take place under the following conditions:

- physical conditions:
- a workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - personal protective clothing and equipment
  - homogenisation equipment and related services
  - product to be homogenised
  - cleaning materials and equipment
- specifications:
  - work procedures, including advice on safe work practices, food safety, quality and environmental requirements
  - information on equipment capacity and operating parameters
  - · production schedule/batch specifications, control points and processing parameters
  - recording requirements 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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	1159b570a5c4