



Australian Government

FBPOPR2086 Operate a frying process

Release: 1

FBPOPR2086 Operate a frying 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 frying process.

This unit applies to individuals who work under general supervision and 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 frying 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 frying processing area	1.1 Confirm frying oil and product are available to meet processing requirements 1.2 Confirm equipment is clean and not locked out 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 frying process for operation	2.1 Fit and adjust machine components and related attachments to meet operating requirements 2.2 Enter processing and operating parameters as required to meet safety and production requirements 2.3 Carry out pre-start checks according to health and safety and operating procedures
3. Operate and monitor the frying process	3.1 Start, operate and monitor equipment to ensure optimal performance 3.2 Monitor the process to confirm that food safety and product specifications are met 3.3 Identify, adjust and report out-of-specification equipment, product or process outcomes according to workplace requirements 3.4 Follow and apply workplace housekeeping procedures and environmental requirements
4. Shut down the frying process	4.1 Identify the appropriate shutdown procedure 4.2 Shut down the process according to health and safety and operating 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 workplace and standard operating procedures relevant to work task - Interpret production requirements
Writing	Record processing data using digital and/or paper-based formats

Skill	Description
Numeracy	• Read and interpret gauges and scales • Monitor and interpret production and process control indicators and data, including temperature (°C), time, oil levels

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPOPR2086 Operate a frying process	FBPOPR2039 Operate a frying process	Minor changes to Performance Criteria to clarify task 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>

Assessment Requirements for FBPOPR2086 Operate a frying process

Modification History

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

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 operated a frying process on at least one occasion, including:

- applying safe work procedures
- following food safety procedures
- monitoring control points and conducting inspections as required to confirm process remains within specification, including:
 - product throughput/belt speeds
 - oil levels/temperatures
 - operation of oil filtration process
 - visual appearance of product, including breaking open to inspect
- addressing routine processing issues.

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 and basic principles of frying, including optimal frying conditions and the role of oil filtration
- basic operating principles of equipment used in the operation of a frying process, including:
 - main equipment components
 - the configuration of valves, pumps and pipework
 - status and purpose of guards
 - equipment operating capacities and applications
 - the purpose and location of sensors and related feedback instrumentation
- the flow of the frying process and the effect of product output on downstream processes

- quality characteristics to be achieved by the frying process
- effect of product and oil quality characteristics on the frying process, final product and shelf-life
- operating requirements and parameters, and corrective action required where operation is outside specified operating parameters
- typical equipment faults and related causes, including signs and symptoms of faulty equipment, and early warning signs of potential problems
- methods used to monitor the frying process, including inspecting, measuring and testing
- inspection or test points (control points) in the process and the related procedures and recording requirements
- contamination/cross-contamination and food safety risks associated with the frying process, and related control measures
- common causes of variation related to the frying process, and corrective action required
- health and safety hazards and controls, including the fire suppression system, and procedures to follow if temperatures exceed the specified range
- requirements of different shutdowns as appropriate to the process and workplace production requirements, including emergency and routine shutdowns, and procedures to follow in the event of a power outage
- isolation, lock-out and tag-out procedures and responsibilities required for the operation of the frying process
- procedures and responsibility for reporting production and performance information
- environmental issues and controls relevant to the frying process, including procedures for recycling oil and for disposing of spent oil, and the consequences of incorrect disposal
- basic operating principles of process control, including the relationship between control panels and systems and the physical equipment
- cleaning and sanitisation procedures required for frying equipment
- recording procedures to ensure traceability of product.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a food processing workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - in-line frying equipment and related services
 - frying oil suited to product type and product to be fried
 - personal protective clothing
 - 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.

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

Links

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