



Australian Government

FBPOPR3024 Operate and monitor an extrusion process

Release: 1

FBPOPR3024 Operate and monitor an extrusion 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, monitor, adjust and shut down an extrusion process.

This unit applies to individuals who work in a food or feed processing environment. It typically applies to the production worker responsible for applying operating principles to the operation and monitoring of an extrusion 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 extrusion processing area | 1.1 Confirm materials are available to meet product specification requirements 1.2 Identify and confirm cleaning and maintenance requirements have been met according to health, safety and food safety requirements 1.3 Select, fit and use appropriate personal protective clothing and |

| Elements | Performance Criteria |
|--|---|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| | ensure correct fit |
| 2. Prepare the extrusion equipment and process for operation | <p>2.1 Enter processing and operating parameters as required to meet safety and production requirements</p> <p>2.2 Check equipment performance and adjust according to production requirements</p> <p>2.3 Carry out pre-start checks according to health and safety and operating procedures</p> |
| 3. Operate and monitor equipment | <p>3.1 Deliver ingredients and additives to the extrusion process in the required quantities and sequence</p> <p>3.2 Monitor preparation of the mass to confirm that specifications are met and mass is suitable for extrusion</p> <p>3.3 Start, operate and monitor the extrusion process to ensure optimal operations</p> <p>3.4 Take samples and test to ensure product meets specifications</p> <p>3.5 Identify, rectify and report out-of-specification equipment, product or process outcomes according to workplace requirements</p> <p>3.6 Follow and apply workplace housekeeping and environmental procedures</p> |
| 4. Shut down the extrusion process | <p>4.1 Identify the appropriate shutdown procedure</p> <p>4.2 Shut down the process according to safe operating procedures</p> <p>4.3 Identify and report maintenance requirements according to workplace procedures</p> <p>4.4 Ensure waste is disposed of in line with environmental requirements</p> <p>4.5 Maintain workplace records according to workplace procedures</p> |

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 |
|--------------|--------------------|
|--------------|--------------------|

| Skill | Description |
|----------|---|
| Reading | <ul style="list-style-type: none"> Interpret workplace and standard operating procedures relevant to job task Interpret production requirements |
| Writing | <ul style="list-style-type: none"> Record processing information and data in digital and/or paper-based formats |
| Numeracy | <ul style="list-style-type: none"> Measure product and ingredients using weight (g, kg, T) and volume (ml, L), to two decimal points Monitor and interpret production and process control indicators and parameters, including speed, cuts per minute |

Unit Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|--|--|---|--------------------|
| FBPOPR3024 Operate and monitor an extrusion process | FBPOPR2036 Operate an extrusion process | <p>Unit title and code updated to better match work task</p> <p>Minor changes to Performance Criteria to clarify intent</p> <p>Foundation Skills refined</p> <p>Performance Evidence clarified</p> <p>Minor changes to Knowledge Evidence and Assessment Conditions</p> | Equivalent |

Links

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