



**Australian Government**

# **FBPOPR2040 Operate a heat treatment process**

**Release: 1**

## FBPOPR2040 Operate a heat treatment process

### Modification History

| Release   | Comments                                                                                      |
|-----------|-----------------------------------------------------------------------------------------------|
| Release 1 | This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 1.0 |

### Application

This unit of competency describes the skills and knowledge required to set up, operate, adjust and shut down a heat treatment process.

This unit applies to individuals who work under general supervision and exercise limited autonomy 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 heat treatment 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.

### 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 heat treatment processing area | 1.1 Confirm materials are available to meet operating requirements<br>1.2 Identify and confirm cleaning and maintenance requirements and status according to work health and safety and food safety requirements |

| Elements                                            | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>    | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                 |
|                                                     | 1.3 Wear appropriate personal protective clothing and ensure correct fit                                                                                                                                                                                                                                                                                                               |
| 2. Prepare the heat treatment process for operation | 2.1 Fit machine components and related attachments and adjust to meet operating requirements<br>2.2 Enter processing and operating parameters to meet safety and production requirements<br>2.3 Check equipment performance and adjust according to production requirements<br>2.4 Carry out pre-start checks according to work health and safety and operating procedures             |
| 3. Operate and monitor the heat treatment process   | 3.1 Start, operate and monitor the process for variation in operating conditions<br>3.2 Monitor the process to confirm that temperature specifications are met<br>3.3 Identify, rectify and report out-of-specification equipment, product or process outcomes according to workplace requirements<br>3.4 Follow and apply workplace housekeeping and environmental working procedures |
| 4. Shut down the heat treatment process             | 4.1 Identify the appropriate shutdown procedure<br>4.2 Shut down the process according to work health and safety and operating procedures<br>4.3 Identify and report maintenance requirements according to workplace procedures<br>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 | <ul style="list-style-type: none"> <li>Interpret workplace and standard operating procedures relevant to</li> </ul> |

| Skill                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | job role <ul style="list-style-type: none"> <li>Interpret production requirements</li> </ul>                                                                                                                                                                                                                                                                                                                                 |
| Writing                    | <ul style="list-style-type: none"> <li>Record operating, routine maintenance and shutdown information on paper-based and electronic media</li> </ul>                                                                                                                                                                                                                                                                         |
| Numeracy                   | <ul style="list-style-type: none"> <li>Monitor and interpret production and process control indicators and data</li> <li>Monitor supply and flow of materials to and from the process</li> </ul>                                                                                                                                                                                                                             |
| Navigate the world of work | <ul style="list-style-type: none"> <li>Apply workplace procedures to own role and responsibilities</li> <li>Identify skills, knowledge and experience required for performing own role in the workplace</li> <li>Ask questions to clarify understanding or seek further information</li> </ul>                                                                                                                               |
| Interact with others       | <ul style="list-style-type: none"> <li>Communicate and report operational and safety information to relevant personnel</li> <li>Use modes of communication suitable to purpose to confirm understanding when conducting operational start-up and shutdown procedures</li> </ul>                                                                                                                                              |
| Get the work done          | <ul style="list-style-type: none"> <li>Access and interpret process control panels and system</li> <li>Maintain a clean and hazard-free work area</li> <li>Identify out-of-specification standards and maintain quality specifications</li> <li>Confirm equipment status and condition</li> <li>Interpret process and equipment information to monitor process and respond to abnormal performance and variations</li> </ul> |

## Unit Mapping Information

| Code and title current version                 | Code and title previous version                | Comments                                        | Equivalence status |
|------------------------------------------------|------------------------------------------------|-------------------------------------------------|--------------------|
| FBPOPR2040<br>Operate a heat treatment process | FDFOP2040A<br>Operate a heat treatment process | Updated to meet Standards for Training Packages | Equivalent unit    |

## Links

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