



**Australian Government**

# **FBPOIL3002 Operate and monitor a bleaching process**

**Release: 1**

## FBPOIL3002 Operate and monitor a bleaching 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 operate, adjust and shut down a bleaching process to remove colour and impurities from partially refined oil.

This unit applies to individuals who apply basic operating principles to the operation and monitoring of bleaching equipment and processes in an edible oils production environment. Processes may be batch or continuous, and apply to single or multiple product types.

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

Edible Oils (OIL)

### 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 the bleaching equipment and process for operation	1.1 Confirm oil and bleaching materials are available to meet product recipe requirements 1.2 Identify safety requirements and wear appropriate personal protective clothing and equipment, ensuring correct fit

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Confirm press has been cleaned and is not locked out 1.4 Fit and adjust machine components and related attachments, including hoses, according to operating requirements 1.5 Acknowledge and load operating parameters to meet production requirements 1.6 Conduct pre-start checks according to workplace requirements
2. Operate and monitor bleaching	2.1 Start up and operate the bleaching process according to standard operating procedures 2.2 Ensure equipment and hoses are placed for optimal operations and to ensure safety 2.3 Monitor equipment and services to ensure optimal operations 2.4 Identify and rectify any irregularities in equipment operation, and report any maintenance requirements 2.5 Check product to confirm specifications are met at each stage according to production processing specifications 2.6 Identify, rectify or report out-of-specification product and process outcomes 2.7 Maintain work area according to workplace guidelines 2.8 Test bleached oil samples to ensure product meets specifications 2.9 Enter workplace records in required format
3. Shut down the bleaching process	3.1 Identify appropriate shutdown procedure 3.2 Shut down process safely according to operating procedures 3.3 Prepare equipment for cleaning in preparation for maintenance or next start-up 3.4 Identify and report maintenance requirements according to workplace requirements 3.5 Ensure waste is disposed of in line with environmental requirements

## 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
Learning	<ul style="list-style-type: none"> <li>Solve routine problems according to workplace guidelines and using experience of past solutions</li> </ul>
Reading	<ul style="list-style-type: none"> <li>Interpret standard operating procedures for the bleaching process</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Complete processing records using digital and/or paper-based formats</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Monitor control points for agitation, speed, time, moisture, vacuum pressure and temperature (°C)</li> <li>Read gauges for revolutions per minute (rpm)</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPOIL3002 Operate and monitor a bleaching process	FBPGPS2001 Operate a bleaching process	Unit title and code updated to better match work task  Minor changes to Performance Criteria to clarify intent  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>

