



Australian Government

FBPTEC4017 Produce grain-based wash for distillation

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 3.0.

Application

This unit of competency describes the skills and knowledge required to manage the production of grain-based wash that will be used to distil brown spirits.

This unit applies to workers who have responsibility for overseeing the production wash for fermented beverages and the quality assurance requirements associated with those products. It may include supervising the work of others.

Legislative requirements relating to producing alcohol apply to this unit. Users are advised to check current requirements with the Australian Taxation Office and state/territory liquor licensing and health agencies.

Pre-requisite Unit

Nil

Unit Sector

Technical (TEC)

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 to produce wash	1.1 Identify standards, regulations and guidance materials that cover the requirements of working in hazardous and potentially explosive environments 1.2 Identify hazards and manage risks associated with producing wash, including dust, heat and steam 1.3 Wear appropriate personal protective equipment (PPE) to ensure personal safety

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Identify specification for product 1.5 Check quality of raw materials meets quality specifications
2. Mill grain	2.1 Set mill to crush malted grain to specification 2.2 Carry out test run to ensure malt is crushed to specification 2.3 Operate mill to crush malt and produce grist
3. Convert mash	3.1 Transfer grist to mash tun 3.2 Set water level, temperature and time in line with product specification, to convert starches to sugars 3.3 Operate mash tun to produce and convert mash 3.4 Monitor quality of mash using simple tests 3.5 Analyse test results and adjust process as required
4. Separate mash	4.1 Transfer mash into separation vessel 4.2 Monitor separation process by using simple tests 4.3 Dispose of grain husks in line with environmental requirements 4.4 Complete processing and batch records to ensure traceability
5. Conduct housekeeping activities	5.1 Clean equipment and work area in line with workplace procedures 5.2 Conduct routine maintenance activities 5.3 Dispose of waste in line with regulatory 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
Numeracy	- Measure and record weight of raw materials and volume of wash (using kg and L) - Accurately read and interpret gauges and test results
Get the work done	Identify changes in quality of product and trace source

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPTEC4017 Produce grain-based wash for distillation	Not applicable	New unit	No 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>