



Australian Government

Assessment Requirements for FBPTEC4019 Manage still operations to produce brown spirits

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.

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 managed still operations to collect spirit in line with pre-determined specifications for a brown spirit, on at least one occasion.

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:

- brown spirits typically distilled and aged in wooden casks
- definitions of whiskey, rum and brandy
- types of wash typically used to produce brown spirits
- different methods used for distilling spirits
- shape and parts of a still and their purpose
- critical differences between a pot still and a column still
- purposes of first and subsequent distillations
- alcohol boiling points
- quality and characteristics of different parts of the still run, including heads, hearts and tails
- harmful chemicals that are produced through distillation, including methanol, and boiling point
- alcohol content of different parts of the still run
- stages and changes required for equipment operation, specific to product
- typical tests carried out to check alcohol content, flavour and quality
- sensory analysis techniques to determine parts of distillation run
- instruments used for testing and how each is calibrated, such as hydrometer, alchometer
- options for using heads and tails of distillation run
- procedures and equipment used for transfer operations

- common causes of variation to product and corrective action required
- hazards, risks and controls, including for working with explosive atmosphere, heat, steam and ethanol
- routine maintenance requirements
- waste handling and disposal requirements
- Australian Standards, legislation, regulations and workplace licence requirements related to the production and storage of alcohol
- legislation, regulation and workplace licence requirements related to distilled spirits, including license to operate a still, Australian Taxation Office (ATO) in relation to excise tax, waste disposal
- recording requirements for traceability of product and ATO requirements.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a workplace setting or an environment that accurately represents a real workplace
- resources, equipment and materials:
 - wash to be distilled
 - still
 - testing equipment
 - safety equipment, including personal protective equipment (PPE)
- specifications:
 - product specifications for brown spirit.

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>