



Australian Government

Assessment Requirements for FBPCEL2003

Operate the ion exchange process

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

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 operated at least one ion exchange process:

- accessing workplace information to identify ion exchange requirements
- selecting and fitting appropriate personal protective equipment
- conducting work according to environmental and health and safety requirements in the workplace
- checking supply and status of product and ion exchange agents before commencing ion exchange process
- preparing and confirming status of equipment and services before commencing ion exchange process
- setting up and starting up the ion exchange process
- monitoring ion exchange process to maintain quality specifications
- taking corrective action in response to non-conformance results
- shutting down the process after ion exchange operations are completed.

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:

- purpose and principles of ion exchange process and links between ion exchange process and related processes in cellar operations
- stages and changes which occur during ion exchange process and the effect of process stages on the end product quality characteristics and uses of ion exchange product and materials
- manual and computer-controlled ion exchange equipment

- methods used to monitor the process common causes of non-conformance and corrective action required
- health and safety hazards in the workplace and controls
- routine shutdown preparation requirements
- workplace procedures and responsibility for:
 - reporting problems
 - environmental issues and controls
 - waste handling requirements
 - recording requirements.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a wine operations workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - personal protective equipment for ion exchange operations
 - equipment and materials for ion exchange process
 - products for ion exchange
 - system for recording and reporting information
- specifications:
 - workplace procedures for ion exchange operations.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>