Modification history

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

| FBPCEL3002 | Operate the continuous clarification by separation (flotation) process |
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| Application | This unit of competency describes the skills and knowledge required to prepare for and operate the continuous clarification by separation (flotation) process in wine production.  The unit applies to individuals who work in cellar operations and take responsibility for their own work using discretion and judgement in the selection and use of available resources.  All work must be carried out to comply with workplace procedures, in accordance with state/territory workplace health and 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. |
| Prerequisite Unit | Nil |
| Unit Sector | Cellar Operations (CEL) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare the continuous clarification by separation (flotation) process for operation | 1.1 Identify and confirm production requirements  1.2 Confirm availability of required materials and services to meet production requirements  1.3 Confirm environmental guidelines and identify potential workplace health and safety hazards and controls according to workplace procedures  1.4 Select and fit personal protective equipment required for production  1.5 Prepare materials to meet production requirements  1.6 Check equipment to confirm readiness for use according to workplace procedures  1.7 Set the process to meet production requirements |
| 2. Operate and monitor the continuous clarification by separation (flotation) process | 2.1 Start up the flotation process according to workplace procedures  2.2 Monitor production process to confirm performance meets specifications  2.3 Identify and address non-conformance product, process and equipment according to workplace procedures |
| 3. Shut down the continuous clarification by separation (flotation) process | 3.1 Identify and implement appropriate shutdown procedures  3.2 Dismantle equipment safely and prepare for cleaning  3.3 Collect, treat and dispose of or recycle waste generated by both the process and cleaning procedures  3.4 Record workplace information 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. | |
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| Skill | Description |
| Reading | * Interpret production and process information from a variety of workplace documents |
| Writing | * Record data and present information in required format |
| Numeracy | * Calculate numerical information relating to measurements, quantities and operational specifications * Interpret symbols and numbers during monitoring of process |
| Navigate the world of work | * Apply workplace procedures and legislative responsibilities to own role |
| Interact with others | * Use required communication mode to report operational information to relevant personnel |
| Get the work done | * Plan, sequence and implement tasks required to achieve production requirements * Respond to predictable routine problems, faults and out of specification issues and implements standard or logical solutions |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FBPCEL3002 Operate the continuous clarification by separation (flotation) process | FDFCEL3002A Operate the continuous clarification by separation (flotation) process | Updated to meet Standards for Training Packages  Minor changes to elements and performance criteria for clarity  Removal of prerequisite as no longer required by industry | Equivalent unit |

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

| TITLE | Assessment requirements for FBPCEL3002 Operate the continuous clarification by separation (flotation) process |
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| 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 continuous clarification by separation (flotation) process including:   * accessing workplace information to identify clarification requirements * selecting and fitting appropriate personal protective equipment * checking supply and status of materials before commencing clarification operation * preparing and confirming status of equipment and services before commencing filtration process * setting up and starting the filtration process * monitoring the filtration process * taking corrective action in response to non-conformance results * shutting down the process after clarification operations are completed * conducting work according to environmental and workplace health and safety requirements. | |

| Knowledge Evidence |
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| 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 of continuous clarification by separation (flotation) process and the links between the process and other processes used in wine operations * basic operating principles of separation (flotation) process equipment * materials used in the clarification by separation (flotation) process * main separation (flotation) techniques and how these techniques can affect the characteristics of the wine * checking pectin negative level: * adding sulphur * cooling product * adding pectin enzymes * methods used to monitor the process * common causes of non-conformance results for product, process and equipment and corrective action required including: * issues that can be rectified * issues that must be reported * responsibilities for workplace health and safety including: * workplace health and safety hazards associated with the clarification by separation (flotation) process * methods for controlling risks associated with work health and safety hazards * responsibilities for identifying and controlling environmental issues * workplace procedures and responsibility for: * reporting problems * shutting down the process * cleaning * handling waste * recording required information. |

| Assessment Conditions |
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| 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 clarification by separation (flotation) operations * equipment and materials for clarification by separation (flotation) process * specifications: * work procedures for continuous clarification by separation (flotation) process.   Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. |

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