Modification history

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

| FBPCEL2013 | Operate the pressure leaf filtration process |
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| Application | This unit of competency describes the skills and knowledge required to prepare for and operate the pressure leaf filtration process using a range of filter media.  The unit applies to individuals who work in a wine operations cellar environment under general supervision, with limited autonomy and accountability for their own work.  No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.  All work must be carried out to comply with workplace procedures, in accordance with State/Territory work health and safety, and food safety regulations, legislation and standards that apply to the workplace. |
| 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 pressure leaf filtration process for operation | 1.1 Confirm work instructions and identify potential WHS hazards and controls in accordance with workplace procedures  1.2 Select and use personal protective clothing and equipment relevant to the job role  1.3 Confirm availability and prepare product and materials for operation to meet production requirements  1.4 Confirm that services are available and ready for operation  1.5 Check equipment to confirm readiness for use according to workplace procedures  1.6 Set the process to meet production requirements and work instructions |
| 2 Operate and monitor the pressure leaf filtration process | 2.1 Start up the pressure leaf filtration process according to operator instructions  2.2 Monitor control points to confirm performance is maintained within specification  2.3 Confirm that filtered product meets specification  2.4 Monitor equipment to confirm operating condition  2.5 Identify, rectify and report out-of-specification product, process and equipment performance |
| 3 Shut down the pressure leaf filtration process | 3.1 Shut the process down following workplace procedures  3.2 Dismantle equipment safely and prepare for cleaning  3.3 Collect, treat and dispose of or recycle waste generated by both the leaf filtration process and cleaning procedures  3.4 Conduct work in accordance with workplace environmental guidelines  3.5 Record workplace information according to workplace procedures and format |

| 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 textual information to identify key information in workplace procedures and work and operator instructions |
| Writing | * Complete workplace records relating to pressure leaf filtration process accurately |
| Numeracy | * Interpret symbols and numbers to calibrate pressure leaf filtration equipment and set process parameters, and monitor control points |
| Oral communication | * Ask questions to clarify work instructions and use accurate terminology to report issues |
| Navigate the world of work | * Recognise and follow workplace requirements associated with own role and area of responsibility |
| Interact with others | * Follow accepted workplace practices and protocols for communicating information |
| Get the work done | * Follow clearly defined instructions to identify and assemble resources and sequence tasks to perform pressure leaf filtration operations * Monitor processes and control points, identify routine problems related to pressure leaf filtration tasks and initiate standard procedures to resolve or report * Use key features and functions and follow routine procedures for using digital technology or systems to record and/or report workplace information * Recognise and act on opportunities for continuous improvement in accordance with workplace practices |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FBPCEL2013 Operate the pressure leaf filtration process | FDFCEL2013A Operate the pressure leaf filtration process | Updated to meet Standards for Training Packages  Minor changes to elements and performance criteria for clarity  Removal of prerequisite due to 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 FBPCEL2013 Operate the pressure leaf filtration 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 demonstrated the pressure leaf filtration process on at least two separate occasions, including:   * accessing workplace information to identify pressure leaf filtration processing requirements * selecting, fitting and using personal protective clothing and equipment * confirming supply of services and product and filter media prior to operating filter * preparing and confirming status of filter and equipment before commencing pressure leaf filtration process * setting up and starting up the pressure leaf filtration process * monitoring pressure leaf filtration process control points and equipment * taking corrective action in response to out-of-specification results or non-compliance * shutting down equipment in routine and emergency situations * conducting work safely following work health and safety procedures. | |

| 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 and principles of pressure leaf filtration * links between pressure leaf filtration and to related processes in cellar operations * use of filter media * diatomite * perlite * cellulose * polyethylene * stages and changes which occur during pressure leaf filtration * effect of process stages on end product * quality characteristics and uses of filtered product * product and materials preparation requirements and effect of variation on the process * main methods used in pressure leaf filtration * effects of setting or manipulating filtration process on end product characteristics * process specifications, procedures and operating parameters * pressure leaf filtration equipment and instrumentation components, purpose and operation * basic operating principles of process control systems * significance and method of monitoring control points within the pressure leaf filtration process * common causes of variation and corrective action required * shutdown and cleaning requirements associated with changeovers and types of shutdowns * work health and safety hazards and controls * workplace procedures and responsibility for: * reporting problems * environmental issues and controls * waste handling requirements * recording requirements. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * a workplace or an environment that accurately represents workplace conditions * resources, equipment and materials: * personal protective clothing and equipment for pressure leaf filtration operations * equipment and materials for pressure leaf filtration process * products for pressure leaf filtration * cleaning materials, equipment and procedures * documentation or technology for recording and reporting information * specifications: * work instructions and workplace procedures for pressure leaf filtration operations.   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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