Modification history

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

| FBPFST4036 | Review standards and procedures for the processing of confectionery products |
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| Application | This unit of competency describes the skills and knowledge required to implement and review the standards and procedures for the preparation and manufacture of confectionery products.  This unit applies to individuals who have roles in product design, quality assurance and production management. The individual is required to use knowledge of food science and processes to determine the required food safety, quality and performance of food production equipment. Depending on the workplace application, the individual is also required to liaise with engineering and maintenance specialists.  No occupational licensing or certification requirements apply to this unit at the time of publication. However, legislative and regulatory requirements for food processing exist so local requirements must be checked. All work must comply with Australian food safety standards and relevant codes of practice. |
| Prerequisite Unit | Nil |
| Unit Sector | Food science and technology (FST) |

| 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 for the manufacture of confectionery products | 1.1 Establish the statutory compositional requirements for the different types of confectionery products  1.2 Select the required formulation of confectionery products  1.3 Select the appropriate production system and a sequence of activity to prepare the system for operation  1.4 Prepare equipment and access safe operating procedures for its operation |
| 2. Monitor the manufacture of confectionery products to ensure quality standards are met | 2.1 Implement the production schedule to ensure all resources and requirements are available and meet company requirements  2.2 Set the production system to operating specifications before and during production  2.3 Implement and monitor concentration and drying procedures  2.4 Interpret and document data requirements and collection points appropriate for food safety, quality and production standards  2.5 Implement and monitor procedures to deal with non-conformance in relation to process and the final product  2.6 Implement and monitor process controls |
| 3. Diagnose, rectify and report problems arising from the preparation and manufacture of confectionery products | 3.1 Establish sensory evaluation and product testing protocols to identify defects and maintain organoleptic quality of product  3.2 Implement adjustments to inputs, process and equipment in response to analysed results  3.3 Report problems to designated person |
| 4. Review production processes | 4.1 Review the critical control points (CCPs) and critical limits for product safety  4.2 Develop and implement a sampling plan  4.3 Conduct a sensory analysis and analyse results  4.4 Undertake food tests and generate data for the product label  4.5 Review the operating procedures and the process control system for food safety and quality  4.6 Review the safe work systems for processing  4.7 Review the environmental impacts and energy efficiencies for processing |

| 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 | * Interprets food safety guidelines and regulations * Interprets product specifications, quality and workplace procedures |
| Writing | * Develops sampling plans * Documents review of a production system |
| Numeracy | * Maintains and analyses data resulting from testing of products * Determine calibration procedures and schedule for test equipment |
| Navigate the world of work | * Monitor adherence to legal and regulatory standards and responsibilities for self and others |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FBPFST4036 Review standards and procedures for the processing of confectionery products | FDFFST4036A Implement and review the processing of confectionery products | Updated to meet Standards for Training Packages  Title changed | 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 FBPFST4036 Review standards and procedures for the processing of confectionery products |
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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 effectively reviewed standards and procedures for the processing of confectionary products on at least one occasion, including:   * interpreting market specifications for confectionery products * selecting and planning the production processes related to confectionery products * monitoring the output of each of the processes used in the preparation and manufacture of confectionery products * implementing a production schedule to ensure all resources and requirements are available and meet company requirements * checking product against market specifications for confectionery * recognising the organoleptic properties of different types of confectionery * determining testing protocols for quality assessment * operating equipment and accessories used in the preparation and manufacture of confectionery products * completing data collection and documentation required for quality control * assessing production procedures against food safety and quality requirements * identifying and addressing defects during production and of final products * using industry standard terminology. | |

| 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:   * the statutory compositional requirements for the different types of confectionery products * the range of confectionery products including chocolate and compound chocolate confectionery, liquorice (both straps and all sorts), sugar confectionery types, "sugar free" confectionery types, gum based types and panned product types * production systems used for the preparation, manufacture, forming and packaging of the range of confectionery products described above * the production system for the preparation and manufacture of confectionery products including production instruction, quality assurance requirements and or/specifications, production specification and or/standards, production equipment, production procedures, cleaning procedures and materials and raw materials * different formulations for confectionery products * the role of the major ingredients found in confectionery products * preparation and manufacture of extruded products including product preparation, cooking and processing, extrusion, packaging, and storage and distribution * critical factors in the preparation and manufacture of confectionery products * resource requirements and environmental impacts of the preparation and manufacture of confectionery products * the interrelationships between suppliers of products and internal/external customers * identification of defects during production and of final products * stages of production, CCPs and critical limits * packaging procedures * quality and continuous improvement processes * sensory analysis techniques * work health and safety hazards and controls relating to work processes. |

| Assessment Conditions |
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| 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 confectionary production workplace * resources, equipment and materials: * production process and related equipment, manufacturers’ advice and operating procedures * methods and related software systems for collecting data and calculating yields, efficiencies and material variances appropriate to production environment * specifications: * tests used to report relevant product/process information and recorded results.   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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