Modification history

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

| FBPTEC4003 | Control food contamination and spoilage |
| --- | --- |
| Application | This unit of competency describes the skills and knowledge required to control food contamination and spoilage and to manage food safety using cleaning and sanitation programs.  The unit applies to workers who oversee food contamination control measures across a production site or facility.  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.  NOTE: The terms 'occupational health and safety' (OHS) and 'work health and safety' (WHS) generally have the same meaning in the workplace. In jurisdictions where the national model WHS legislation has not been implemented, RTOs must contextualise the unit of competency by referring to current OHS legislative requirements. |
| Prerequisite Unit | The prerequisite unit of competency for this unit is:   * FDFFS3001 Monitor the implementation of quality and food safety programs   Note the following chain of prerequisites that also applies to this unit.   |  |  | | --- | --- | | Unit of competency | Prerequisite requirement | | FDFFS3001 Monitor the implementation of quality and food safety programs | FDFFS2001 Implement the food safety program and procedures | |
| Unit Sector | Technical (TEC) |

| Elements | Performance Criteria |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Identify and apply legal responsibilities to produce quality, safe food | 1.1 Identify legal and ethical responsibilities for producing safe food  1.2 Identify legal, workplace and customer quality standards for food products  1.3 Ensure food safety and quality practices are applied to food preparation, processing and storage |
| 2. Identify common causes of food poisoning and contamination | 2.1 Identify food-borne pathogens and contamination that can occur in processed food  2.2 Trace patterns of actual or potential contamination and spoilage through processing, storage and shelf-life for a given product  2.3 Identify conditions required for contamination to occur  2.4 Analyse results of tests to detect the presence of contamination and related conditions |
| 3. Manage control measures to eliminate or minimise the risk of contamination | 3.1 Apply control measures when receiving, handling, processing, storing and transporting food to meet identified legal, ethical and workplace standards  3.2 Document control measures used to prevent food contamination and spoilage |
| 4. Manage cleaning and sanitation regimes | 4.1 Identify application methods, materials, labour and equipment requirements of common cleaners and sanitisers used in the food industry  4.2 Assess cleaning and sanitation methods, materials and regimes for their effectiveness and environmental impact  4.3 Select appropriate cleaning and sanitation methods to suit products and processes ensuring minimal risk of contamination and environmental impact  4.4 Establish inspection or test methods to confirm effectiveness of cleaning and sanitation program  4.5 Document and communicate responsibilities for cleaning and sanitation |

| 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. | |
| --- | --- |
| Skill | Description |
| Reading | * Analyses legal, ethical and workplace documentation and consolidates information to determine controls to prevent contamination and spoilage of food |
| Numeracy | * Performs mathematical calculations to check, interpret and confirm results of food safety tests |
| Oral Communication | * Uses collaborative and inclusive techniques to convey and clarify information |
| Get the work done | * Applies systematic and analytical decision-making processes for complex and non-routine situations * Problem solves issues, drawing on past experience and research |

|  |  |  |  |
| --- | --- | --- | --- |
| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FBPTEC4003 Control food contamination and spoilage | FDFTEC4003A Control food contamination and spoilage | Updated to meet Standards for Training Packages  Minor changes to Performance Criteria for clarity and consolidation. | Equivalent unit |

|  |  |
| --- | --- |
| 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 FBPTEC4003 Control food contamination and spoilage |
| --- | --- |
| 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 controlled food contamination and spoilage of at least two types of food, including:   * identifying and applying legal, workplace and quality standards for food products * determining likely causes of non-conformance of ingredients/raw materials * recognising indicators of unacceptable or non-conforming processing, handling and/or storage outcomes * managing control measures used to address risks of food contamination * managing cleaning procedures to ensure workplace standards meet food safety requirements. | |

| 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:   * basic composition and function of each main raw material/ingredient used, such as awareness of ingredient grades or types * common causes of contamination/unacceptable quality of raw materials/ ingredients, relevant to work role * methods used to confirm quality standard, such as accessing information (e.g. certificates of analysis and/or laboratory clearance information) * the effect of variation in raw materials/ingredients on processing stages and final product outcome, including factors likely to cause variation, and scope to adjust or correct for variation at each processing stage * appropriate handling and storage requirements for raw materials/ingredients and final product, and the effect of failing to meet required storage conditions * the changes and reactions that occur through processing stages, including the signs and symptoms of poor/unacceptable processing or equipment operation * factors that affect the shelf-life of product * the inter-relationships between processing stages and the effect of variation in processing parameters on process outcome and on final product, including factors likely to cause variation, and scope to adjust or correct for variation at subsequent process stages * procedures for identifying and isolating non-conforming product * troubleshooting information and techniques * procedures and related documentation required to amend or introduce a new method or procedure, such as short term procedures for amending or updating specifications and processing parameters * reporting requirements and responsibilities * test methods to confirm raw material/ingredient and/or final product quality characteristics where relevant. |

| 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: * samples of contaminated and spoiled food * cleaning and sanitation equipment * specifications: * methods to detect contamination and spoilage * food safety plan and related information, including operating procedures, cleaning and sanitation regimes/plans * cleaning and sanitation methods and procedures.   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.education.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4 |