



Australian Government

Assessment Requirements for FBPHVB3004 Manufacture wafer products

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 6.0.

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 set up, operated, adjusted and shut down a wafer manufacturing process to produce at least one batch of wafers to specification, including:

- applying safe work practices
- following food safety procedures
- ensuring correct batter is supplied and confirming settings, including:
 - wafer plates are selected for product type
 - oven settings for product type
 - web/chain speed settings
 - depositing rate settings
- monitoring and adjusting process equipment to achieve required outcomes, including monitoring control points and conducting inspections as required to confirm process remains within specification, including:
 - wafer size (width, length and thickness)
 - wafer texture, colour and weight
 - wafer moisture level
- taking corrective action in response to typical faults and inconsistencies.

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 basic principles of each stage of the wafer manufacturing process
- basic operating principles of equipment, including:
 - main equipment components

- status and purpose of guards
- equipment operating capacities and applications
- purpose and location of sensors and related feedback instrumentation
- typical equipment faults and related causes, including signs and symptoms of faulty equipment, loss of power, and early warning signs of potential problems
- the flow of the wafer manufacturing process, and the effect of outputs on downstream processes
- basic operating principles of process control, including the relationship between control panels and systems and wafer products manufacturing equipment
- specifications and quality characteristics to be achieved by the wafer manufacturing process, including:
 - quality requirements of materials
 - effect of variation on wafer manufacturing process performance
 - changes that occur in product during processing
- operating requirements and parameters, and corrective action required where operation is outside specified operating parameters
- methods used to monitor the wafer manufacturing process, including:
 - inspecting, measuring and testing as required by the wafer products manufacturing process
 - inspection or test points (control points) in the process
 - related procedures and recording requirements
- common causes of variation, and corrective action required
- good manufacturing practices (GMP) relevant to work task
- health and safety hazards and controls, including:
 - routine shutdown for wafer manufacturing process
 - emergency shutdowns
 - procedures to follow in the event of a power outage
 - isolation, lock-out and tag-out procedures and responsibilities
- procedures and responsibility for reporting production and performance information
- contamination/cross-contamination and food safety risks associated with the process, and related control measures
- common microbiological, physical, chemical and allergenic hazards that can occur when processing wafers, including the types of hazards likely to occur, the conditions under which they occur, and possible consequences
- waste and rework collection and handling procedures
- emerging technologies related to high volume production baking
- cleaning and sanitation procedures for wafer manufacturing equipment
- procedures to record traceability of product and ingredients.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a high volume production bakery or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - personal protective clothing and equipment
 - depositing, baking and related equipment
 - wafer plates
 - batter to meet production requirements
 - cleaning materials and equipment
- specifications:
 - work instructions and procedures, including control points and wafer manufacturing processing parameters
 - production schedule and recipe and batch specifications for wafer products
 - information on equipment capacity and operating parameters
 - recording requirements 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.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>