



Australian Government

Assessment Requirements for FBPBPG2006

Operate the bottle capsuling process

Release: 1

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Modification History

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

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 safely and effectively set up, operated and shut down all items of equipment in the bottle capsuling process on at least one occasion, including:

- confirming equipment is ready for operation, including:
 - cleaning and sanitation processes are completed
 - capsule magazines, wax disc hoppers and wax pots are operational
 - any adjacent coding equipment is set up and operational
 - line controls (conveyors) are operational
 - line lube is operational and being correctly applied
 - heat shrink settings are adjusted to suit capsule type
 - metal-spinner tension is correct for capsule type
 - equipment is set for correct bottle height
 - hot melt for wax disc application is operational
 - bottle feeds are filled with correct screws and stars and accurately aligned
- monitoring and adjusting process equipment to achieve required quality outcomes, ensuring:
 - compressed air pressure is at correct level
 - supply and quality of bottles to be capsuled
 - fill heights of bottles to be capsuled
 - clarity of content in bottles being capsuled
 - ongoing quality and appearance (shrinkage and fit) of capsule application
 - ongoing quality of materials used in the process
 - glue application and supply to wax disc process
- taking corrective action in response to typical faults and inconsistencies
- liaising with other work areas involved in the packaging process

- completing workplace records as required
- applying safe work practices and identifying workplace health and safety hazards and controls.

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 principles of bottle capsuling equipment
- key features of bottle capsuling equipment and components
- links to related processes
- effect of process stages on end product
- quality characteristics and uses of end product
- effect of product and materials on process outcomes
- emergency and troubleshooting procedures
- process specification, procedures and operating parameters
- equipment and instrumentation components, purpose and operation
- basic operating principles of process control systems where relevant
- services required
- significance and methods of monitoring control points
- common causes of variation and corrective action required
- technological advances that include automation, such as use of robots
- health and safety in the workplace hazards and controls
- routine maintenance requirements
- lock-out and tag-out procedures
- procedures and responsibility for reporting problems
- shutdown and cleaning requirements associated with changeovers and types of shutdown
- recording requirements and procedures.

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:
 - bottle capsuling equipment
 - bottle capsuling resources and consumables
 - tools and equipment for adjusting and maintaining equipment
 - personal protective equipment
- specifications:
 - work procedures and operating instructions or instructions.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>