



Australian Government

Assessment Requirements for FBPBPG3001 Operate the bottle filling 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 an automated or semi-automated bottle filling system on a minimum of one occasion, including:

- confirming equipment is ready for operation, including:
 - cleaning and sanitation processes are completed
 - filling tubes meet specification
 - doser is set up and is operational
 - bottle feeds are filled with correct screws and stars and accurately aligned
 - height of filler is adjusted to suit bottle height
 - lines and equipment are flushed with product to be bottled
- monitoring and adjusting process equipment to achieve required quality outcomes, ensuring:
 - compressed air pressure is at correct level
 - vacuum pressure is at correct level
 - product temperature
 - fill height and volume
- taking corrective action in response to typical faults and inconsistencies
- liaising with other work areas involved the packaging process
- completing workplace records as required
- applying safe work practices and identifying health and safety in the workplace 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 filling equipment
- key features of bottle filling 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
- significance and methods of monitoring control points
- common causes of variation and corrective action required
- technological advances that include automation and 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:
 - bottling equipment
 - resources, tools and consumables
 - personal protective clothing and equipment
 - products, consumables and materials for filling purposes
 - cleaning procedures, materials and equipment
 - documentation and recording requirements and procedures
- specifications:
 - specifications and schedules
 - equipment operating instructions, service records and corresponding information

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>