



Australian Government

Assessment Requirements for FBPBPG3004

Operate the bottle sealing 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 on a bottle sealing process on a minimum of one occasion, including:

- confirming equipment is ready for operation, ensuring:
 - cleaning and sanitation processes are completed
 - magazine, hoppers, chutes and guides are operational
 - any adjacent coding equipment is set up and operational
 - line controls (conveyors) are operational
 - line lube is operational and being correctly applied
 - torque testers are correctly calibrated
 - equipment is set for correct bottle height
 - vacuum pump is operational
 - vacuum block and corker jaws are correctly lubricated
 - 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
 - torque on Roll On Tamper Evident (ROTE) seals
 - cork depths as established by the workplace
 - effective seal on crown seals
 - correct vacuum is being applied to head space in bottle
 - wire muselet is consistently applied
 - appearance of sealing application to approved quality
 - quality materials are used in the sealing process
- 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 sealing equipment
- key features of bottle sealing equipment and components
- links to related processes
- stages and changes which occur during the process
- 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
- 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
- equipment operation and out-of-specification actions for:
 - compressed air pressure
 - torque on ROTE seals, Roll On Pilfer Proof, Lux
 - inappropriate cork depths
 - ineffective seal on crown seals
 - incorrect vacuum applied to head space in bottle
 - inconsistent application of wire muselet
 - poor appearance of sealing application
 - poor quality of dry goods used in the sealing process.

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 bottling and packaging workplace
- resources, equipment and materials:
 - bottle sealing equipment
 - bottle sealing resources and consumables
 - tools and equipment for adjusting and, maintaining equipment
 - personal protective equipment
- specifications:
 - work procedures and operator's manuals 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>