



Australian Government

Assessment Requirements for FBPSUG2015 Operate a high grade fugal station

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 operated a high grade fugal station in line with workplace contexts and demonstrated each of the following points at least once:

- confirmed availability of equipment, services and masscuite to meet production requirements
- selected, fitted and used personal protective equipment (PPE)
- conducted pre-start checks and followed start-up procedure
- started up and operated in both automatic and manual modes
- safely operated, monitored and adjusted the high grade fugal distributor to the sugar bin and the A and B molasses storage tanks within required parameters
- controlled dryer airflows to achieve target sugar temperature and moisture
- controlled station throughput and A/B balance to meet pan stage throughput
- performed an operational shutdown according to schedule or as indicated by equipment monitoring
- conducted shift handover according to workplace procedure
- taken corrective action in response to typical operating faults and product and process non-conformance.

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 high grade fugal station operation, including sugar drying and operation of batch and continuous fugals
- factors that affect throughput and recovery, including the relationship between sugar pol and throughput and the balance between A and B fugals
- the effect of masscuite quality on fugal operation and the effect of variation in operating parameters on the fugal output

- equipment purpose and basic operating principles of high grade fugal equipment
- significance and method of monitoring control points within the process
- key health and safety requirements when operating a high grade fugal process:
 - hazards and associated control measures
 - correct use of PPE
 - procedures for responding to emergency situations
 - lock-out and tag-out procedures
- shutdown sequence, including massecuite feed pumps and re-heaters
- requirements of operational and long-term shutdown conditions
- procedures and responsibility for reporting problems relating to the high grade fugal process
- environmental and waste handling requirements and procedures relevant to the high grade fugal process
- recording requirements and procedures relevant to high grade fugal process operations.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a sugar milling workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - PPE
 - high grade fugal station equipment
 - materials, including massecuite
 - routine maintenance tools
 - workplace information recording system
- specifications:
 - workplace and operating procedures and related advice on equipment operation, including advice on safe work practices and environmental requirements
 - product and process specifications and operating parameters
 - cleaning procedures, sampling schedule 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 Volume Implementation Guides are found in VETNet: -

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