



Australian Government

FBPSUG2016 Operate a crystalliser station process

Release: 1

FBPSUG2016 Operate a crystalliser station process

Modification History

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

Application

This unit of competency describes the skills and knowledge required to operate the crystalliser station process from the low grade pan receiver through the crystallisers to the re-heater.

The unit applies to individuals who work under supervision in the sugar milling industry.

All work must be carried out to comply with workplace procedures according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Sugar milling (SUG)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare the crystalliser station for operation	1.1 Confirm massecuite is available to meet production requirements 1.2 Confirm services are available and ready for operation 1.3 Check equipment in readiness for use according to workplace procedures 1.4 Select, fit and use personal protective equipment according to workplace safety procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Set the crystallisers to meet production requirements
2. Operate and monitor crystalliser station	2.1 Start and operate the crystalliser station according to workplace procedures, including safety requirements 2.2 Confirm process performance is maintained within manufacturer's specifications to meet workplace requirements 2.3 Ensure C-massecuite feed to fugals meets specification 2.4 Monitor equipment to confirm operating condition 2.5 Identify, rectify or report product, process and equipment non-conformance according to workplace procedures
3. Hand over the crystalliser station	3.1 Maintain workplace records according to workplace procedures 3.2 Carry out handover according to workplace procedures 3.3 Ensure operators are aware of system and related equipment status at completion of handover according to workplace procedures
4. Shut down the crystalliser station	4.1 Identify the appropriate shutdown procedure for operational and long-term shutdown conditions 4.2 Shut down the system according to workplace procedures and manufacturer's guidelines 4.3 Prepare the system for storage in shutdown mode according to workplace procedures and manufacturer's guidelines 4.4 Identify and report operational maintenance requirements according to workplace procedures and manufacturer's specifications

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret workplace and standard operating procedures relevant to job role
Numeracy	Monitor and interpret production and process control indicators and data

Skill	Description
	Maintain required levels in the crystallisers
Navigate the world of work	Apply workplace procedures to own role and responsibilities
Interact with others	Apply communication practices and protocols relevant to own role
Get the work done	- Complete tasks in required sequence - Apply decision-making processes to respond to routine performance abnormalities

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPSUG2016 Operate a crystalliser station process	FDFSUG216A Operate a crystalliser station process	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume Implementation Guides are found in VETNet: -

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