



Australian Government

MSMSS00015 Bioprocessing using fermentation

Release 1

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Modification History

Release 1 - New skill set.

Description

This Skill Set reflects the skills requirements to operate bioprocessing equipment to convert biomaterial into a range of commercial bioproducts, including biofuel, livestock feed and fertilizers. This includes the operation and monitoring of fermentation, distillation, separation and recovery processes to specification. It also includes assisting with testing and sampling to produce products to batch processing requirements.

Pathways Information

These units provide credit towards the Certificate III in Laboratory Skills and Certificate III in Process Manufacturing.

Licensing/Regulatory Information

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Skill Set Requirements

MSL954004 Obtain representative samples in accordance with sampling plan

MSL973013 Perform basic tests

MSMBIO302 Ferment biomaterial to produce bioproducts

MSMBIO303 Distil bioproduct

MSMBIO304 Separate and recover bioproducts

Target Group

This Skill Set is for plant operators and technicians responsible for operating bioprocessing equipment to ferment biomaterial to produce a range of commercial bioproducts, including biofuel, fertilizers and livestock feed.

Suggested words for Statement of Attainment

These competencies from the MSM Manufacturing Training Package meet industry requirements for operating bioprocessing equipment to ferment biomaterial to produce bioproducts.

Custom Content Section

Not applicable.