

Title	Operate and maintain silo system to receive food or related products		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: use safe working practices; prepare silo system to receive food or related products; operate silo system to receive food or related products; and maintain silo system for food or related products.
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Classification	Food and Related Products Processing > Food and Related Product Storage and Distribution
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Available grade	Achieved
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Guidance Information

1 References

Enactments and codes relevant to this unit standard include but are not limited to the: Food Act 2014; Health and Safety at Work Act 2015; Resource Management Act 1991; Food (Safety) Regulations 2002; Food Hygiene Regulations 1974; Australia New Zealand Food Standards Code, available at <http://www.foodstandards.govt.nz/Pages/default.aspx>.

2 Definitions

Equipment refers to items such as pumps, conveyors, lines, and mechanical and/or programmable logic controller (PLC) automated systems.

Organisational procedures refer to documents that include worksite rules, codes, and practices; equipment operating instructions; and production specifications; documented quality management systems; and health and safety requirements.

PPE refers to personal protective equipment such as protective clothing, gloves, safety glasses/headwear/footwear, hearing protection, and safety devices.

Related products refer to beverages, household products, or personal care products.

3 Range

Competence is to be demonstrated on three occasions of operating a silo system for food or related products.

Outcomes and performance criteria

Outcome 1

Use safe working practices.

Performance criteria

1.1 PPE is used in accordance with organisational procedures.

1.2 Work environment is kept clean and free from hazards in accordance with organisational procedures.

Range hazards to – personnel, product, plant.

1.3 Documentation is referred to and/or completed in accordance with organisational procedures.

Outcome 2

Prepare silo system to receive food or related products.

Performance criteria

2.1 Silo system is prepared to receive product in accordance with organisational procedures.

2.2 Silo system is configured in accordance with organisational procedures.

Outcome 3

Operate silo system to receive food or related products.

Performance criteria

3.1 Product is received in accordance with organisational procedures.

3.2 Correct product is received and directed to correct silo in accordance with organisational procedures.

3.3 Quantity and quality of received product is checked in accordance with organisational procedures.

3.4 Any problems associated with receiving products are identified, and rectified and/or reported in accordance with organisational procedures.

Range problems may include but are not limited to – product quality, product quantity, equipment.

3.5 Spillage of product when operating a silo system is minimised in accordance with organisational procedures.

3.6 Production downtime due to identifying, and rectifying and/or reporting problems is minimised in accordance with organisational procedures.

Outcome 4

Maintain silo system for food or related products.

Performance criteria

- 4.1 Silo system is maintained in accordance with organisational procedures.
- 4.2 Stock levels in silos are monitored in accordance with organisational procedures.
- 4.3 Stock in silos is maintained at a level sufficient for scheduled and anticipated production requirements in accordance with organisational procedures.
- 4.4 Product wastage due to maintaining the silo system is minimised in accordance with organisational procedures.
- 4.5 Technical non-conformance of silo equipment is identified, and personnel authorised to act are notified in accordance with organisational procedures to minimise damage to the plant and/or product.
- 4.6 Production line requests for product from silo system are actioned in accordance with organisational procedures.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 August 1996	31 December 2019
Revision	2	15 May 1998	31 December 2019
Review	3	19 August 2004	31 December 2019
Review	4	11 December 2009	31 December 2019
Review	5	1 November 2018	31 December 2019
Reinstatement	6	28 February 2019	N/A

Consent and Moderation Requirements (CMR) reference	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.