

Title	Describe product packaging of dairy products		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to describe: packaging functions and requirements; the properties of packaging materials used; and control points for quality assurance and inventory control of dairy product packaging, in a dairy processing operation.
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Classification	Dairy Processing > Milk Processing
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Available grade	Achieved
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Guidance Information

- 1 Legislation and regulations relevant to this unit standard include but are not limited to:
 - Animal Products Act 1999;
 - Health and Safety at Work Act 2015;
 - Animal Products (Dairy) Regulations 2005; and any subsequent amendments.

- 2 Definition

Organisational requirements – instructions to staff on policy and procedures which are documented in memo, electronic or manual format and are available in the workplace. These requirements include but are not limited to – site specific requirements, company quality management requirements, codes of practice, manufacturer’s specifications, and legislative requirements.

Outcomes and performance criteria

Outcome 1

Describe packaging functions and requirements in a dairy processing operation.

Performance criteria

- 1.1 Describe the functions of packaging in terms of containment of product.

Range	containment includes but is not limited to – rigidity, unitisation, pressure retention and/or holding.
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- 1.2 Describe the functions of packaging in terms of protection of the product from physical, chemical and biological damage.
- Range protection includes but is not limited to – barrier properties, distribution stresses.
- 1.3 Describe the functions of packaging in terms of provision of product, handling and storage information.
- 1.4 Describe the packaging requirements of a dairy product in terms of protection, containment, user convenience, provision of information and legislative requirements.

Outcome 2

Describe the properties of packaging materials used in a dairy processing operation.

Performance criteria

- 2.1 Describe properties of thermoset polymers in terms of their use in dairy product packaging.
- Range uses may include but are not limited to – rigid trays and containers; semi-rigid punnets; pottles; bottles; films; barrier bags, liners; evidence of four uses is required.
- 2.2 Describe properties of metals in terms of their use in dairy product packaging.
- Range metals include but are not limited to – canning, foils.
- 2.3 Describe properties of paper in terms of its use in dairy product packaging.
- Range paper may include but is not limited to – laminates or plies, solid fibreboard, corrugated fibreboard; evidence of two paper types is required.
- 2.4 Describe properties of tertiary packaging in terms of its use in dairy product packaging.
- Range tertiary packaging types may include but not limited to – slip sheets, top sheets, shrink wrap, stretch wrap, strapping, shipping cartons, cardboard lids; evidence of two tertiary packaging types is required.

Outcome 3

Describe control points for quality assurance and inventory control of dairy product packaging.

Range evidence is required of one of – liquid milk product, cultured milk product, butter or cream product, dried milk product, natural or processed cheese, frozen milk products.

Performance criteria

3.1 Describe control points for quality assurance of dairy product packaging and the reasons for their importance in terms of organisational requirements.

Range control points may include but are not limited to – packaging materials receipt, handling and storage of packaging materials, packaging area hygiene, pack filling, sealing, weight control, prevention of foreign matter contamination, printing and labelling; evidence of three control points is required.

3.2 Describe control points for quality assurance of dairy product packaging in terms of control measures to be applied and monitoring requirements.

3.3 Describe inventory control of dairy product packaging in terms of control measures to be applied and monitoring requirements.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 June 1995	31 December 2014
Review	2	5 July 1999	31 December 2014
Review	3	26 August 2002	31 December 2014
Revision	4	13 June 2003	31 December 2014
Rollover and Revision	5	17 July 2009	31 December 2016
Review	6	18 June 2015	31 December 2024
Review	7	25 March 2021	31 December 2024
Revision	8	29 July 2021	N/A
Revision	9	26 January 2023	N/A

Consent and Moderation Requirements (CMR) reference	0022
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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 the Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.