

<b>Title</b>	<b>Operate a heat treatment process in a dairy processing operation</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare heat treatment equipment for operation, and operate heat treatment equipment, in a dairy processing operation.
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<b>Classification</b>	Dairy Processing > Milk Processing
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and regulations relevant to this unit standard include but are not limited to:
  - Health and Safety at Work Act 2015;
  - Health and Safety in Employment Regulations 1995;
  - Animal Products Act 1999;
  - Animal Products (Dairy) Regulations 2005; and any subsequent amendments.
- 2 All evidence presented in this unit standard must be in accordance with:
  - organisational requirements.
- 3 Definition  
*Organisational requirements* – instructions to staff on policies 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.
- 4 This unit standard must be assessed in a realistic workplace environment. The candidate must be under realistic time pressures and use relevant commercial equipment.

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### Outcomes and performance criteria

#### Outcome 1

Prepare heat treatment equipment for operation in a dairy processing operation.

#### Performance criteria

- 1.1 Identify production requirements for heat treatment.

1.2 Confirm ingredients and services necessary to the heat treatment process are available to meet production requirements.

1.3 Check heat treatment equipment to ensure it is ready for use.

**Outcome 2**

Operate heat treatment equipment in a dairy processing operation.

**Performance criteria**

2.1 Start up heat treatment equipment.

2.2 Monitor heat treatment equipment, product and control points to confirm that they meet production requirements.

Range monitoring may include but is not limited to – monitoring control points and parameters, adjusting operating parameters, plant checks, identifying sampling and testing requirements, taking samples, handling samples, dispatch of samples, conducting tests; evidence of three monitoring examples is required.

2.3 Identify, rectify and/or report any out-of-specification product, process and equipment performance.

2.4 Clean and sanitise heat treatment equipment.

2.5 Record workplace information relating to operating heat treatment equipment.

2.6 Shut down heat treatment equipment.

Range shutdown includes but is not limited to – putting plant on standby, routine, emergency situation.

<b>Planned review date</b>	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	30 June 2003	31 December 2014
Rollover and Revision	2	20 June 2006	31 December 2014
Rollover and Revision	3	17 July 2009	31 December 2016
Review	4	18 June 2015	31 December 2024
Review	5	27 May 2021	N/A
Revision	6	26 January 2023	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0022
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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### Comments on this unit standard

Please contact the Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.