

Title	Conduct a titration of a clean-in-place solution in a dairy processing operation		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to conduct a titration of a clean-in-place solution 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 All evidence presented in this unit standard must be in accordance with:
 - organisational requirements.
- 3 Definitions

Clean-in-place – systems where cleaning solutions are circulated through plant and pipework for cleaning and sanitising purposes.

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.

Outcomes and performance criteria

Outcome 1

Conduct a titration of a clean-in-place solution in a dairy processing operation.

Performance criteria

- 1.1 Take a representative sample of a cleaning solution.
- 1.2 Identify, rectify, and record or report any contaminated samples.
- 1.3 Carry out the cleaning solution titration test.

- 1.4 Interpret and record results.
- 1.5 Identify and report any results outside of process control parameters.
- 1.6 Clean and store test equipment.
- 1.7 Replenish test solutions.

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Status information and last date for assessment for superseded versions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	30 June 2003	31 December 2014
Rollover and Revision	2	25 September 2006	31 December 2014
Rollover and Revision	3	17 July 2009	31 December 2016
Review	4	18 June 2015	31 December 2024
Review	5	25 March 2021	N/A
Revision	6	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.