

Title	Manually pump and/or rack beverage product		
Level	2	Credits	6

Purpose	<p>This unit standard is for people who are currently working in the beverage manufacturing industry.</p> <p>People credited with this unit standard are able to: use safe working practices; and prepare to, and pump and/or rack beverage product; and shut down and clean equipment.</p>
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Classification	Food and Related Products Processing > Food Production - Beverages
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to the: Health and Safety in Employment Act 1992; Health and Safety in Employment Regulations 1995; Food Act 1981; Food Hygiene Regulations 1974; Food (Safety) Regulations 2002; Resource Management Act 1991; and their associated regulations and subsequent amendments.
- 2 Definitions
Equipment may include but is not limited to: pipework, hoses sightglass, pumps, valves, tanks.
Organisational procedures refer to documents that include: worksite rules, codes, and practices; equipment operating instructions; production specifications; documented quality management systems; and health and safety requirements.
PPE refers to personal protective equipment and may include but is not limited to: protective clothing, gloves, safety glasses/headwear/footwear, hearing protection, safety devices.
Products refer to beverages which may include but are not limited to: wine, juice, water, beer, vinegar.
- 3 Competence is to be demonstrated on at least two occasions of manually pumping and/or racking beverage product.

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 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 to pump and/or rack beverage products.

Performance criteria

- 2.1 Product is prepared in accordance with organisational procedures.
- Range includes but is not limited to – availability, quantity, timeliness, quality, storage location.
- 2.2 Pumping and/or racking equipment is available, operational, and free from contamination in accordance with organisational procedures.
- Range contamination may include but is not limited to – lees, tart rates, cleaning agents, foreign objects, micro-organisms.
- 2.3 Potential problems for pumping and/or racking beverage product are identified, and corrective action is taken in accordance with organisational procedures.
- Range a minimum of one – product quality, equipment, personnel.

Outcome 3

Pump and/or rack beverage product.

Performance criteria

- 3.1 Product is pumped and/or racked in accordance with organisational procedures.
- Range includes but is not limited to – availability, quantity, timeliness, quality, wastage of product;
quality includes but is not limited to – turbidity and/or specific gravity.
- 3.2 Pumping and/or racking equipment is operated in accordance with organisational procedures.

- 3.3 Problems in operating pumping and/or racking equipment are identified and solutions implemented to optimise output and minimise wastage in accordance with organisational procedures.

Range problems – non-conforming product and/or equipment related; solutions – repair faults within authority and/or notify maintenance need and/or rework product.

Outcome 4

Shut down and clean pumping and/or racking equipment for beverage product.

Performance criteria

- 4.1 Product is isolated from pumping and/or racking equipment prior to disassembly in accordance with organisational procedures.
- 4.2 Pumping and/or racking equipment is shut down and cleaned for disassembly in accordance with organisational procedures.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	17 August 1999	31 December 2022
Review	2	25 March 2002	31 December 2022
Review	3	26 November 2007	31 December 2022
Review	4	28 January 2021	31 December 2022

Consent and Moderation Requirements (CMR) reference	0111
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.