

<b>Title</b>	<b>Assist to depurate and wet store shellfish</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare shellfish for depuration and wet storage and maintain throughput; load shellfish into tanks and maintain throughput; control water reticulation in operation of depuration and wet storage process unit; check incoming water quality; unload shellfish from tanks and maintain throughput; and clean a depuration and wet storage shellfish plant.
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<b>Classification</b>	Seafood > Aquaculture
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
  - Animal Products Act 1999;
  - Health and Safety at Work Act 2015;
  - and any subsequent amendments.
- 2 Definition  
*Company requirements* refer to instructions to staff on policy and procedures which are communicated in verbal or written form. These requirements may include but are not limited to – manufacturers' instructions, company safety requirements, throughput, and industry codes of practice and standards. Company requirements must include legislative requirements.
- 3 All evidence presented in this unit standard must be in accordance with company requirements.

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### Outcomes and performance criteria

#### Outcome 1

Prepare shellfish for depuration and wet storage and maintain throughput.

#### Performance criteria

- 1.1 Remove all dead, broken, or cracked shellfish.
- 1.2 Wash shellfish.

1.3 Maintain throughput.

## **Outcome 2**

Load shellfish into tanks and maintain throughput.

### **Performance criteria**

2.1 Place shellfish trays at required density.

2.2 Load the trays in the tank.

Range stacking techniques – spacers, plastic sheets, number of trays per layer, number of layers.

2.3 Maintain throughput.

2.4 Record load batches.

2.5 Use safe lifting techniques.

## **Outcome 3**

Control water reticulation in operation of depuration and wet storage process unit.

### **Performance criteria**

3.1 Operate water pumps.

Range priming, supply of water.

3.2 Fill depuration or wet storage process unit with water.

Range depth of water, time water is run to waste before filling, sterilisation of water.

3.3 Check circulation of water in process unit.

Range maintenance of water levels, duration.

3.4 Drain water from process unit.

## **Outcome 4**

Check incoming water quality.

Range temperature, salinity, dissolved oxygen, turbidity, pH.

### **Performance criteria**

4.1 Use water quality measuring methods.

4.2 Record water quality results.

4.3 Identify and report to management water quality results outside acceptable ranges.

Range timeliness, method of reporting.

### **Outcome 5**

Unload shellfish from tanks and maintain throughput.

Range unloading includes – removal of trays from tanks, washing, culling.

#### **Performance criteria**

5.1 Remove trays from the tanks in such a manner that contamination of shellfish is prevented.

5.2 Wash and cull shellfish.

Range culling – removing dead, broken, or cracked shellfish.

5.3 Keep different lots of shellfish separate and identifiable throughout removal from trays, washing, and culling.

5.4 Maintain throughput.

Range unloading, washing, culling.

### **Outcome 6**

Clean a depuration and wet storage shellfish plant.

Range process units, trays, containers, racks, pipes, seawater storage tanks.

#### **Performance criteria**

6.1 Wash plant.

6.2 Sanitise plant.

Range dilution of sanitising chemicals, soaking time, coverage.

6.3 Rinse plant.

Range rinsing time, rinsing method.

<b>Planned review date</b>	31 December 2028
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	18 December 1996	31 December 2024
Review	2	21 May 1999	31 December 2024
Review	3	25 February 2003	31 December 2024
Review	4	17 October 2008	31 December 2024
Review	5	28 October 2021	N/A
Rollover	6	29 February 2024	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0123
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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 Muka Tangata - People, Food and Fibre Workforce Development Council [qualifications@mukatangata.nz](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.