



TECHNICAL ASSISTANCE TO BUILD FOOD SAFETY
CAPACITY
FOR THE FISHERIES SECTOR



TIBU IMPEX

Module 2

Water Quality Control Activities

Calibration of equipment

Key elements of a traceability system

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Water Quality Control Activities

Water sanitation record

[illegible]

Chlorine testing procedure

- Take a **sample of water**. It may be:
 - Water from one of the taps in the processing unit (allow the water to run for approximately 1-2 minutes.)
 - Thawed ice
- Fill each cell to the line with the water to be tested
- Add 5 drops of the pH indicator solution to the pH cell
- Add 5 drops of the OTO 1 indicator solution to the CL cell
- Place a cover over both test cell openings and invert several times to mix.
- Immediately compare each test cell to its respective colour standards (pH 6.5 to 8.2) and Cl (0.3 – 3.0 ppm)
- **Target Cl level should be between 0.5 and 1ppm.**





Calibration of measurement instruments

Procedure for calibrating thermometers

Calibration of thermometers is done **weekly**

- A glass is filled with ice cubes, then top off with cold water.
- The water is stirred and let sit for 3 minutes
- It is then stirred again; the thermometer is then inserted into the glass, making sure not to touch the sides
- The **temperature should read 32°F (0°C)**. The difference is recorded and offset as appropriate.



Calibration Record Keeping

Date	Location	Serie number	Capacity	Weight Load	Weight difference	Calibrated by	Notes
Date	Instrument	Ref Therm.	°C Ice Slurry		Calibrated by	Notes or corrective actions	

Key elements of a traceability system

- Exclusive list of suppliers
- Inputs reception - record keeping
 - supplier
 - supplier batch codes
 - operator batch codes
- Separation of batches during processing and storage when change of raw material inputs change
- Final product batch coding
- Despatch recording keeping
 - consignee
 - operator batch codes
- Record storage and retrieval (minimum period)

(Name of Fish supplier) record form

Date	
Date Code	

Instructions:

- One sheet for each day
- Use continuation sheet if necessary

<u>Variable</u>	<u>Batch 1</u>	<u>Batch 2</u>	<u>Batch 3</u>	<u>Batch 4</u>	<u>Batch 5</u>
Supplier (landing site)*					
Vessels (list)					
Supplier code					
Fish species					
Species code					
Batch Code No.					
Total quantity received (kg)					
Time of reception					

* one batch for each landing site & species. List contributing vessels on the following row

Observations:

Temperatures					
Ice contact with fish (%)					
Observations (cleanliness/ foreign matter, physical damage)					

TIBU IMPEX - Raw Material Reception Record Sheet

Date	
Date Code	
Time of reception	
Name of supplier	
Supplier code	

Instructions:

- One sheet for each supplier for each day
- Use continuation sheet if necessary

Variable	Species 1	Species 2	Species 3	Species 4	Species 5
Common name					
Species code					
Grade breakdown (kg)					
E					
A					
B					
Rejected					
Total quantity received (kg)					
Temperature (3 readings)					
Ice contact with fish (%)					
Cleanliness/					
TIBU IMPEX Batch Code No.					
Observations (supplier batch codes, cleanliness/ foreign matter, physical damage)					

Any questions?

