



# Proficiency Workflow

# HACCP

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# HACCP – the basics

- **The purpose of HACCP is to secure food safety**
  - It is mandatory for F&B handling companies in all EU countries to secure the food safety (EU regulation 852/2004)
- **HACCP stipulates a process for working with health risks and eliminate/reduce those**
  - This shall be done systematically and repeatable for all processes and raw material handling
- **The two key steps of HACCP work is the plan and the documentation of the deliverables**
  - The plan and the records of fulfillment of the plan is your evidence!



# HACCP – The 7 steps/principles

- ❑ Do a risk analysis!
- ❑ Identify all critical points (CCP)
- ❑ Decide critical values for each CCP identified
- ❑ Implement supervision of the identified CCPs
- ❑ Decide which corrective actions that need to be put in place if the critical values and not met
- ❑ Implement routines for documenting the CCPs and the critical values including the corrective actions
- ❑ Implement verification routines for the planning of all above and the deliverables of the measurements.



# HACCP implemented in Proficy

## ▣ Different levels of implementations

- Depending on your implementation requirements

## ▣ All parts of the HACCP in Proficy

- From team to plans to reports

## ▣ One Process in Proficy

- Model one flow/process with all associated CCP and VICP

## ▣ One CCP in Proficy

- Model ONE CCP completely



## **HACCP in Proficiency gives you;**

- ▣ Full documentation of all CCP values**
  - Never miss one CCP again!
- ▣ Full traceability of all handled corrective actions**
  - No more lose ends in the corrective actions list!
- ▣ Easy reporting of all the data, including signatures**
  - No problem putting together reports again!
- ▣ Feel safe that all have been taken care of!**
- ▣ No lose ends, ever, anywhere again!!**



# Proficiency used on a CCP – step 1

## Critical measurement

- Proficiency keeps track on when and how a CCP test shall be performed
- The system remind the staff when to do tests, with escalation if needed.

## Critical values documentation

- Manual data can easily be entered
- The data can be taken directly from Proficiency iFIX, Proficiency Historian, PLCs, LIMS or other current systems
- All data can be with signatures





## Proficiency used on a CCP – step 2

### ▣ Corrective actions

- When a fault is detected the corrective action is triggered automatically to the right persons / group
- All necessary steps are secured and documented with signatures

### ▣ Verification and certification

- All the data with time and date can easily be presented to authorities or customers
- All calibration and other certification of function can be handled automatically





# Critical Measurement

## Visual inspection

## Manual tests( physics, chemical, microbiological)

- Reminder can be sent via Email, SMS, or other...
- Can be escalated or assigned to other personel
- Can be connected to equipment to hold production if tests are not performed

## Automated tests can be performed (sensors)

- All normal interfaces, e.g. OPC
- If needed data entry can require validation before entering

## Tests can be a combination of above and time...

- So you can increase the number of test during certain products, seasons, handling of expiration etc..



# Critical Corrective Actions

## ▣ Any cause of action are supported

- We control the flow of signing with initiator of the action, analysis and corrective action and validation by management
- It can also include extra testing and verification during certain periods after a corrective action

## ▣ Documentation of these are fully handled

- Can have signature requirements



# Standard Reporting for HACCP

## Critical measurements

- Autolog sheet for all CCPs
- Contains all relevant data

## Corrective actions

- Overview report with all instances over a period
- Follow all requirements for maintaining logs for HACCP reporting

The image shows three overlapping HACCP reporting forms from Glasfabriken AB. The top form is for 'Färdigställning' (Finalization), the middle for 'Kontroll av råvara' (Raw material control), and the bottom for 'Värkling' (Wrapping). Each form includes fields for company name, product name, date, and a table for recording measurements and corrective actions.