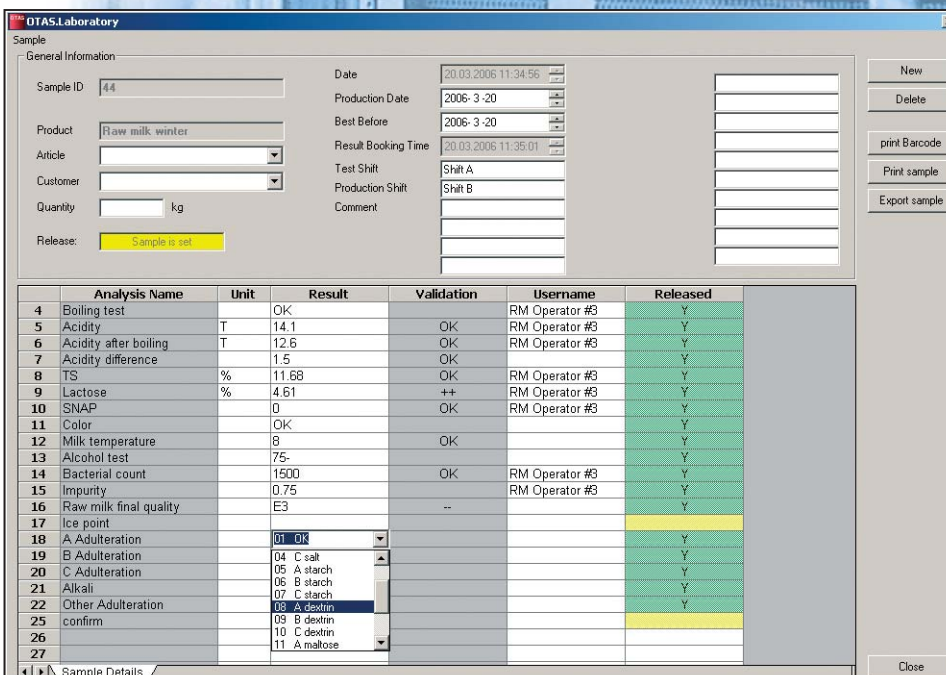


# OTAS<sup>®</sup> Laboratory

Efficient laboratory management for the food industry



**OTAS.Laboratory**

Sample

General Information

Sample ID: 44  
 Date: 20.03.2006 11:34:56  
 Production Date: 2006-3-20  
 Best Before: 2006-3-20  
 Result Booking Time: 20.03.2006 11:35:01  
 Test Shift: Shift A  
 Production Shift: Shift B  
 Comment:

Product: Raw milk winter  
 Article:  
 Customer:  
 Quantity: kg  
 Release: Sample is set.

Buttons: New, Delete, print Barcode, Print sample, Export sample, Close

	Analysis Name	Unit	Result	Validation	Username	Released
4	Boiling test		OK		RM Operator #3	Y
5	Acidity	T	14.1	OK	RM Operator #3	Y
6	Acidity after boiling	T	12.6	OK	RM Operator #3	Y
7	Acidity difference		1.5	OK		Y
8	TS	%	11.68	OK	RM Operator #3	Y
9	Lactose	%	4.61	++	RM Operator #3	Y
10	SNAP		0	OK	RM Operator #3	Y
11	Color		OK			Y
12	Milk temperature		8	OK		Y
13	Alcohol test		75-			Y
14	Bacterial count		1500	OK	RM Operator #3	Y
15	Impurity		0.75		RM Operator #3	Y
16	Raw milk final quality		E3	--		Y
17	Ice point					Y
18	A Adulteration		01 OK			Y
19	B Adulteration		04 C salt			Y
20	C Adulteration		05 A starch			Y
21	Alkali		06 B starch			Y
22	Other Adulteration		07 C starch			Y
23	confirm		08 A dextrin			Y
25	confirm		09 B dextrin			Y
26			10 C dextrin			Y
27			11 A maltose			Y

Sample Details

# Integrated laboratory management . . .

. . . for working effectively in the lab

OTAS® Laboratory is particularly user-friendly and increases efficiency in the day-to-day running of a laboratory. It is ideally suitable for use in sectors with a high variety of products and high quantities of samples to be examined in the laboratory, as is the case in the food industry.

Quality assurance in the sense of ISO 9000– 9004 is supported by observing the required standards where applicable. Another strong point is the traceability of samples and a fast overview of results.

## System architecture

- **Configuration:** user management, language change-over, analyses, product test plans
- **Sample processing** for the daily work in the laboratory
- **Sample evaluations** and statistics with data export to Excel

## Features

- Password and access management with several hierarchy levels
- Online language change-over (all languages and characters are possible)
- Network compatible
- Easy to handle in the laboratory (special computer knowledge is not required)
- Test plan oriented production of samples
- Easy input of formulas in test plans like in Excel
- Samples can be extended anywhere and any time, e.g. by loading additional test plans, copying, deleting, re-arranging analyses, subsequent input of formulas
- Manual and automatic releasing of samples
- Identification of samples using barcodes (barcode scanner)
- Printing of sampling labels with barcode and plain text
- Easy and flexible evaluation due to special evaluation module incl. statistics, printout and export function to Excel
- Can be integrated into automation systems that are already up and running

## Customisation:

- Connection of analysis equipment
- Connection to Truck Management
- Connection of third-party systems and PLCs
- Customer-specific functions can be added

## System requirements:

Windows 2000 prof. or XP prof.  
Microsoft SQL-Server or MSDE

The image displays two screenshots of the OTAS Laboratory software interface. The top screenshot shows a data table with columns for 'Sample ID', 'Fat', 'Protein', 'Boiling test', 'Activity', 'Activity after boiling', 'Activity difference', 'TS', 'Lactose', and 'SNAP'. The bottom screenshot shows a similar data table with a 'Count of new samples' field and a 'Print list' button. Below the screenshots is a photograph of a laboratory worker in a white coat and hairnet, using a pipette to transfer liquid into a test tube.