

Laboratory software

# Food and Beverage Solution for QA/QC

Providing food and beverage  
QA/QC laboratories with  
a comprehensive pre-  
configured informatics  
solution with a low total cost  
of ownership and high return  
on investment

Food and beverage companies face extremely tight margins, so careful cost control is essential to success. The Food and Beverage Solution for Thermo Scientific™ SampleManager LIMS™ is an implementation accelerator, providing food and beverage QA/QC laboratories with industry-standard functionality in a pre-configured package.

The solution leverages SampleManager LIMS functionality and capabilities including the laboratory execution system (LES), customer portal, data analytics, and ready to use dashboards. With this pre-configured solution, your lab can get up and running faster with less user training in a system that's easier to maintain.



## FASTER ROI

- Accelerated implementation
- Pre-configured workflows
- Analytics and KPIs



## QA/QC READY

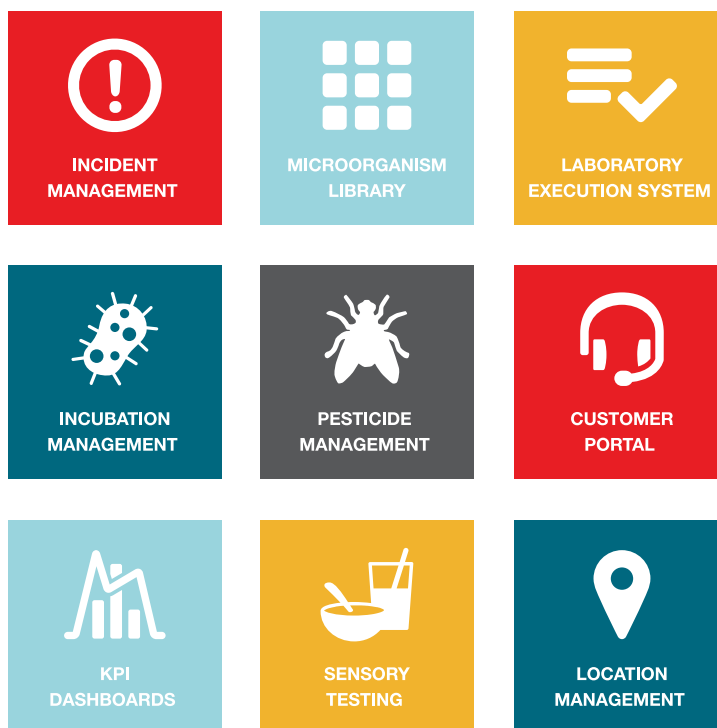
- Complete QA/QC testing solution
- Pre-defined LES methods
- Customer portal to view jobs and results



## DASHBOARDS

- Easy, user friendly navigation
- Intuitive features
- Up-to-date information on lab health

## Pre-configured industry standard features



## Pre-configured LES methods

The Food and Beverage Solution includes three pre-defined LES methods specifically designed for food and beverage testing laboratories. These methods enable you to get up and running

quickly on LES to execute lactose detection and quantification, mycotoxin detection and quantification, and pesticide detection and quantification.

**Continue Laboratory Execution 'Pesticide detection and quantification (001)'**

**Task Details**

Name: Pesticide detection and quantification  
 Method: Pesticide detection and quantification  
 Assigned To: System Manager  
 Started: 9/30/2021 7:55 PM

**Progress**

Step Name	Status
Start	Completed
Sample Preparation	In Progress

**Sample Preparation Equipment**

**INSTRUCTIONS**

Select preparation instruments used.

**Parameters**

Description	Value
Balance ID	Balance 01
Homogenizer ID	
Centrifuge ID	
Mixer ID	

**Entity parameter Instrument**

Stop Back Pause Continue

## Secure, professional customer portal

Contract labs using the Food and Beverage Solution can offer clients a secure online portal to access their work and results, releasing their analysts from administrative tasks and improving customer experience. The portal enables contract lab clients to

approve quotes, log in samples against statements of work, and access results. The configurable user interface allows customer re-branding, making it possible to change colors, add logos and create tailored navigation menus.

The screenshot displays the 'SampleManager Portal' interface. On the left, a sidebar lists navigation options: Statements of Work (selected), Pending, Active, Complete, and Rejected. The main content area is titled 'Active SoW's' and shows a table of 'Active Statements of Work'. The table has columns for SOW Name, Status, Total Price, Project Name, and Date Created. The data rows are:

SOW Name	Status	Total Price	Project Name	Date Created
SOW-000002	Quote Accepted	3400		22/04/2020, 14:46
SOW-000003	Work in Progress	5000		22/04/2020, 14:46
SOW-000004	Work in Progress	7200		22/04/2020, 20:26
SOW-000007	Quote Accepted	5500		12/05/2020, 07:51

On the right side of the table, there are 'Page Actions' and 'Active SoW Grid Actions' menus. The 'Active SoW Grid Actions' menu includes: View Quote, View Invoices, View Work Items, and View Results. The footer of the portal indicates 'Copyright © 2020 ThermoFisher Scientific'.

## Data analytics and Key Performance Indicators

Powerful pre-configured KPI dashboards provide lab managers an up-to-date overview of lab performance. At a glance, the lab manager or system administrator can identify performance

bottlenecks, monitor stock levels, and track overall lab performance.

The screenshot shows the 'KPI Dashboard' within the 'Laboratory Data Management Solutions' interface. The dashboard provides a summary of key performance indicators and includes detailed charts and a data table.

**KPI Summary:**

- 66 Samples to be authorised
- 165 Samples' results delayed
- 65 Incidents raised
- 53 Incidents to be authorised

**Weekly processes:** A stacked bar chart showing the number of samples received, started, completed, and authorised over four weeks (Weeks 37, 38, 39, and 40 of September 2021). The legend indicates: Received (green), Started (pink), Completed (blue), and Authorised (yellow).

**Incidents raised weekly:** A bar chart showing the number of incidents raised over the same four-week period.

**412 samples:** A table listing individual samples with the following columns: ID Number, ID Text, Login Date, Received Date, Date Results Requested, Date Completed, Date Authorised, Location ID, and Status.

ID Number	ID Text	Login Date	Received Date	Date Results Requested	Date Completed	Date Authorised	Location ID	Status
732	SENG-PANEL-009-CTRL-013	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 6:46 PM	9/22/2021 6:47 PM		Authorised
733	SENG-PANEL-008-016	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 6:46 PM	9/22/2021 6:47 PM		Authorised
734	SENG-PANEL-008-CTRL-014	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 6:46 PM	9/22/2021 6:47 PM		Authorised
735	SENG-PANEL-008-017	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 6:46 PM	9/22/2021 6:47 PM		Authorised
736	SENG-PANEL-008-CTRL-015	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 6:46 PM	9/22/2021 6:47 PM		Authorised
737	SENG-PANEL-008-AVG	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 6:46 PM	9/22/2021 6:47 PM		Authorised
738	SENG-PANEL-008-018	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 12:27 PM	9/22/2021 6:46 PM	9/22/2021 6:47 PM		Authorised

The footer of the dashboard indicates '© 2021 - Thermo Fisher Scientific'.

## Enhanced incident management

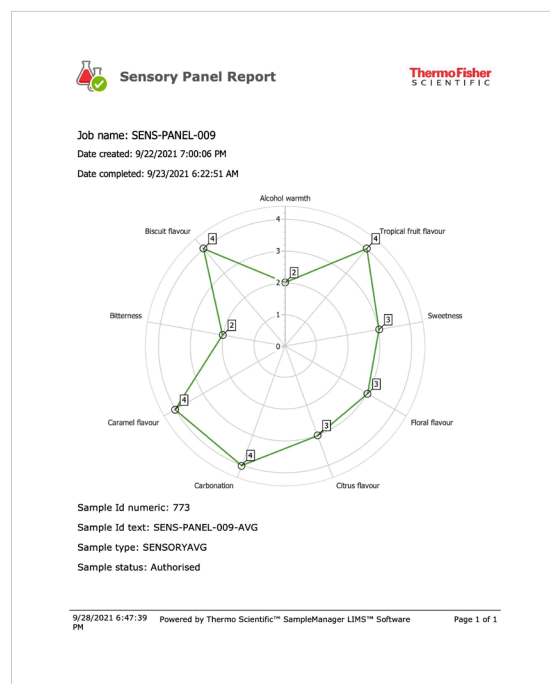
The Food and Beverage Solution includes pre-configured incident management capabilities to help you manage out of specification or out of trend results. When results are outside the expected range, the solution automatically creates an incident for the result and notifies the user. Users can easily track the investigation in the system, including any additional samples

tested. The system captures corrective actions and can link to an external investigation system. Results with open incidents are highlighted on the screen for easy identification. In the event of a recall, powerful lot and batch traceability enables users to quickly identify affected product.

The image displays two screenshots of the ThermoFisher Scientific Laboratory Data Management Software interface. The left screenshot shows a 'Workflow' dialog box with a 'Close' button, overlaid on a data table. The right screenshot shows the 'Data Approval' section, which includes a table of data points with columns for 'ID', 'Sample ID', 'Lot', 'Batch', 'Date', 'Time', 'Status', and 'Description'. Below the table, there is a 'Certificate of Analysis' section with a 'Create COA' button.

## Sensory testing capabilities

Understanding the sensory experience of a food (appearance, texture, taste, and smell) can provide insight into the potential appeal of the product to your target demographic. The Food and Beverage solution for SampleManager LIMS software includes a pre-defined function to manage sensory analysis results. Analysts can quickly identify testing characteristics and the number of test participants. The sensory panel report captures results and produces a radar chart displaying the product's characteristics.



## Location management

Location management shows a breakdown of sample activity by location, with total sample activity for the selected date range appearing on the right hand side.

Each location is clickable, so you can drill down into additional sample detail.

