

Laboratory Module for Food Operations



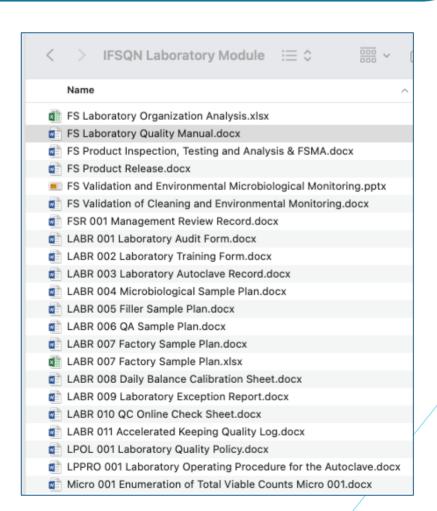




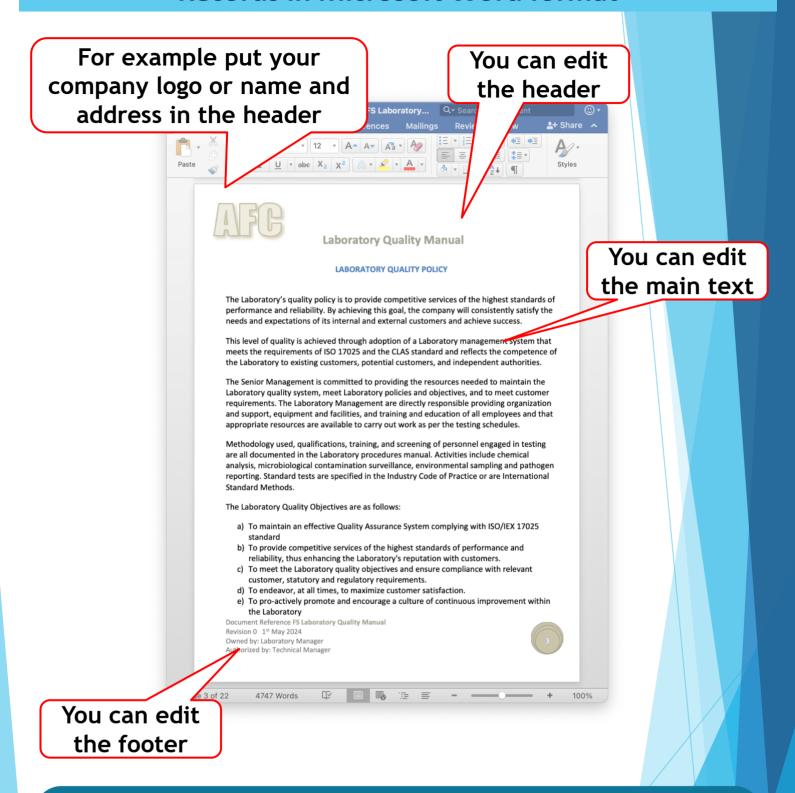
Laboratory Module for Food Operations

Included in the Laboratory Module for Food Operations:

- ✓ Comprehensive Laboratory Quality Manual
- ✓ Example Product Inspection, Product Release and Environmental Monitoring Procedures
- ✓ Laboratory Standard Method Template Examples
- ✓ Laboratory Audit Template
- ✓ Example Sample Plans
- √ Supplementary Laboratory Records

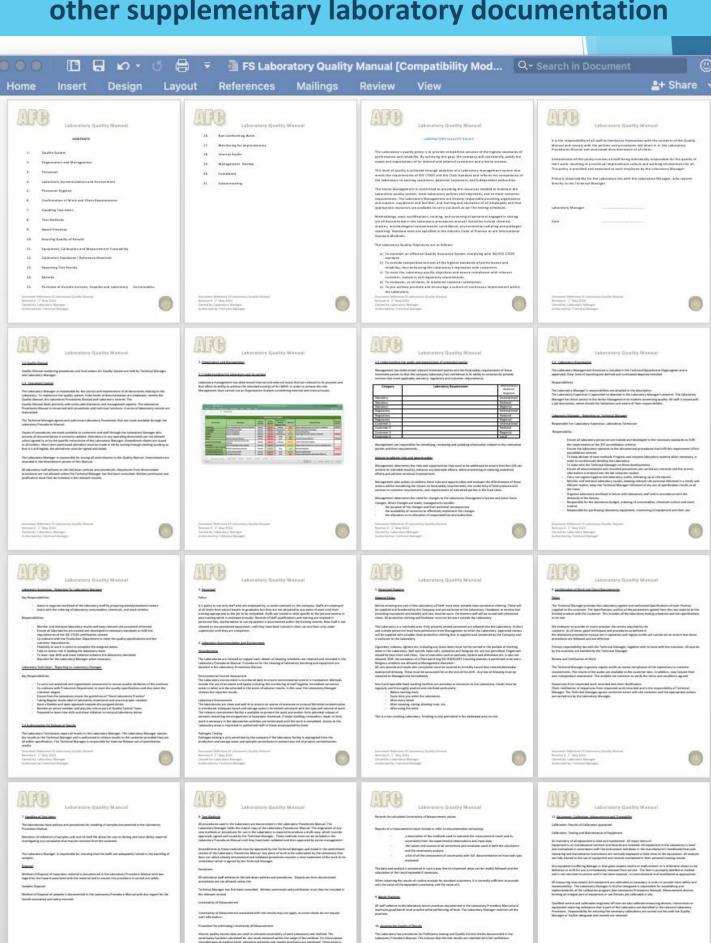


Editable Laboratory Management System Procedures and Records in Microsoft Word format



These Laboratory Management System Templates give you the foundations to develop your laboratory documentation, saving you time and money getting your laboratory up to speed.

ISO 17025 compliant Laboratory Quality Manual plus other supplementary laboratory documentation



4747 Words

English (US)





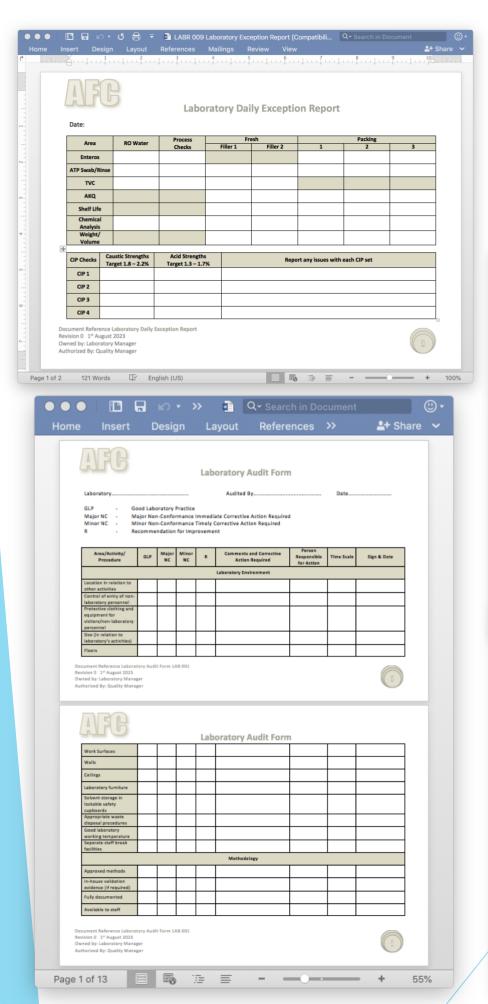


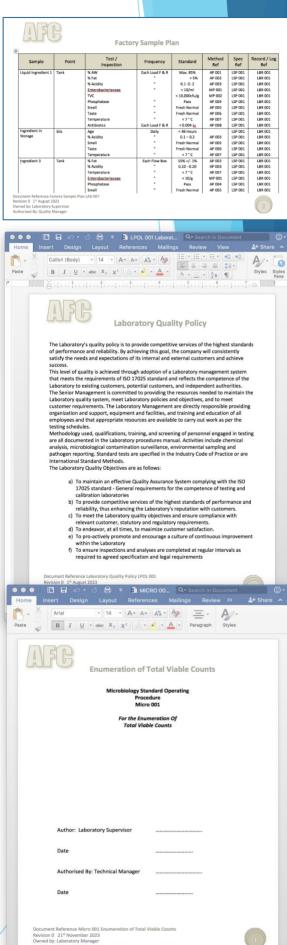






Template Laboratory Records, Procedures and Product Sampling Plans.





Template Laboratory Procedures and Sampling Plans



Environmental Monitoring



Food Contact Surface – Hiller Nozzle
Food Contact Surface – Foil Lidding
Non-Food Contact Surface – Foil Lidding
Non-Food Contact Surface – Floor under Filler
Non-Food Contact Surface – Floor under Filler
Non-Food Contact Surface – Outside Storage Tank

Non-Food Contact Surface - Drain

Non-Food Contact Surface – Wall
Non-Food Contact Surface – Floor near Entrance
Non-Food Contact Surface – Cleaning Equipment

Non-Food Contact Surface - Hand Wash Sink





Enumeration of Total Viable Counts

For the Enumeration Of

Author: Laboratory Supervisor...

Authorized By: Quality Manager





Enumeration of Total Viable Counts

There is no cultural method for determining the 'total viable count' of a mixed micro flora of unknown composition, as found in most foods. The choice of medium, incubation temperature and gaseous atmosphere will exhibit the growth of some organisms, but will inhibit the growth of others.

A colony that grows on a plate must not be assumed as being derived from a single organism. Bacteria may occur in lumps or chains that may not be fragmented on dilution. Viable counts must, therefore, be referred to as colony-forming units per millilitre/gram (cru/ml or g), rather than bacteria per millilitre/gram.

When examining the spoilage potential of micro flora, the chosen medium used for testing should simulate the habitat or consist of nutrients found in the sample in

Spoilage micro-organisms pose a quality hazard to raw materials, in-process and finished products. Contamination of products occurring post process are usually of environmental origin.

Samples and processes listed in the 'Test and Inspection Schedule' are tested by the Microbiology Department for microbial levels of contamination, in order to provide and assess Quality Assurance.

Culture Media

1 Oxoid Agar, Code CM21, prepared in accordance with the 'Microbiology Standard Operating Procedure for the Preparation of Laboratory Media'.



Enumeration of Total Viable Counts

- 2 Oxoid Tryptone Soya Agar, Code CM131, prepared in accordance with the 'Microbiology Standard Operating Procedure for the Preparation of Laboratory Media.
- 3 Oxoid Maximum Recovery Diluent, Code CM733, prepared in accordance with the 'Microbiology Standard Operating Procedure for the Preparation of Laboratory Media'.

- 1 Oxoid Thiosulphate Ringer Solution, Code BR48, prepared in accordance with the 'Microbiology Standard Operating Procedure for the Preparation of Laboratory Media'.
- Neutraliser Diluent prepared in accordance with the 'Microbiology Standard Operating Procedure for the Preparation of Laboratory Media'.

APPARATUS

- 3 Indelible Marker Pen

- 6 Autoclave Bags
- 7 Boxes for Poured Plates











Product Inspection. Testing and Analysis

A flow diagram is prepared of the steps in the process. An analysis is conducted by identifying control options The Control Politis in the process are identified Monitoring, measurement and analytical limits which must be met to ensure control are established



Product Inspection, Testing and Analysis

This system considers each stage of the process from raw material intake to product dispatch. Releases of ingredients, in-process and finished product are controlled and documented by authorized personnel.

The experience, qualifications and training of authorized personnel engaged in monitoring, measuremen or analysis is documented in their personnel and training file. All test results are recorded as evidence of conformity with the appropriate acceptance criteria.

Key chemical, microbiological and physical parameters are specified such as size, weight, and acceptable bacteria levels. Organoleptic testing is carried out at regular intervals by trained Laboratory staff as per the product specification.



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Technical Support



Free Online Technical Support

One of the unique features of our packages is that we provide technical support.

This package includes online technical support and expertise to answer your questions and assist you in developing your Laboratory Management System.

Click here to order the Laboratory Module for Food
Operations