



MiChem Dynamics
LEADING CHANGE

UNDERSTANDING ISO 7218: MICROBIOLOGY OF FOOD AND ANIMAL FEEDING STUFFS – GENERAL REQUIREMENTS AND GUIDANCE FOR MICROBIOLOGICAL EXAMINATIONS

The training course is designed to equip participants with the knowledge and skills required to effectively implement microbiological testing procedures in compliance with ISO 7218:2007/Amd 1:2013 standards, thereby ensuring the safety and quality of food and animal feed products.

Over the course of the program, participants will delve into key aspects such as microbiology laboratory design and layout, personnel competence, equipment requirements, sterilization and waste management, handling of laboratory samples, different types of test methodologies, and quality assurance. The training will emphasize practical applications through interactive workshops, allowing participants to integrate theoretical knowledge into real-world scenarios.

By the end of the course, participants will be equipped with the knowledge and skills necessary for implementing and maintaining the requirements of the standard and ensuring compliance with international regulatory standards.



THE COURSE WILL RUN OVER A PERIOD OF 2 DAYS

ACCREDITATION AND CERTIFICATION STATUS:



SAVC ACCREDITATION OF CPD ACTIVITIES

TITLE	Validation No:	Exp Date	CPD Points
Understanding ISO 7218 - Microbiology of food and animal feeding stuffs	AC/1763/24	25 March 2030	24

LEARNING OUTCOMES:

- Participants will gain a comprehensive understanding of the ISO 7218 standard and its application in the microbiological examination of food and animal feeding stuffs.

WHO SHOULD ATTEND THIS COURSE:

- Laboratory assistants
- Laboratory technicians
- Microbiologists
- Laboratory managers
- Quality assurance personnel

MINIMUM ENTRY REQUIREMENTS:

- Fluency in English writing and reading skills
- Basic understanding of microbiology and laboratory principles

TUITION:

- Training material included (English)
- Certificate of attendance or competence (based on outcome of assessment) will be issued on successful completion of training.

santie@michemdynamics.com | angeline@michemdynamics.com | 082 770 7127 or 078 335 0528

www.michemdynamics.com

COURSE OVERVIEW:

DAY 1

- Introduction
- Premises
 - Covers the safety, design, layout and cleaning of a microbiology laboratory
- Personnel
 - Covers the competence requirements of personnel, monitoring of on-going competence, and hygiene requirements.
- Apparatus and equipment
 - Covers the use, cleaning, maintenance, and verification of various types of apparatus and equipment used in a microbiology laboratory.
- Preparation of glassware and other laboratory materials
 - Covers the requirements for sterilisation, cleaning, and decontamination of glassware, as well as waste management.

DAY 2

- Preparation and sterilisation of culture media
 - Covers the requirements related to the preparation and sterilisation of culture media.
- Laboratory samples
 - Covers the requirements related to sampling, transport, receipt, storage, and testing of laboratory samples.
- Examination
 - Covers the requirements related examination of laboratory samples, hygienic precautions, and preparation of the initial suspensions.
- Test methodologies
 - Covers the various types of test methods including enumeration, detection and confirmation procedures.
- Quality assurance
 - Covers the requirements related to internal quality control, reference strains and external quality assessments (EQA / proficiency testing).
- Test (assessment)

