

LABORATORY SAFETY, CHEMICAL WASTE MANAGEMENT AND DISPOSAL PRACTICES

NITA ACCREDITATION NO: NITA/TRN/2455

**26th - 30th
OCTOBER 2026**

Training objective

- Be aware of the principal regulatory agencies and their roles and requirements.
- Understand the laboratory requirements for an effective safety program.
- Be aware of the essential components of a comprehensive laboratory safety program.
- Understand the significance and nature of an effective chemical hygiene plan.
- Understanding waste management plan, collecting, sorting, storing, marking parking and disposal

Who should attend;

This training is relevant to all employees who work in testing laboratories, Research labs, and manufacturing industries with QC/QA labs, Pharmaceuticals, Petrochemicals, Food and drugs, laboratories.



Day 1	EVENTS
8.30 – 09.30 am	Registration and Climate Setting
	• Introductions. • Introduction to Laboratory Safety and Laboratory waste Managements. • Know your Surrounding • Laboratory Safety rules and Guidelines • Safe Lab Practices
09.30 – 10.30 am	• Overview of Laboratory Risk Management according to ISO/IEC 17025/2017.
10.30 – 11.00 am	TEA- BREAK
11.00 – 13:00 p.m	• Laboratory Hazardous Substances and Classification • Chemical hazards eg Organic solvents, In organic chemicals, API, Pesticide residues, Drug residues sample • Biohazard • Occupational Exposure to Hazardous Chemicals in Laboratories. • Hazard Communication.
13:00 – 14.00 p.m	LUNCH - BREAK
14.00 – 16.30 p.m	• Safety Plan in Laboratory system. • Lab safety according to WHO? OSHA • Lab Safety personal habits. • Laboratory Information& Emergency action plan (EAP). • Developing SOPs for Laboratory safety. • MSDS and their interpretations • Signs and Labeling

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Day 2	EVENTS
9.00 – 10.30 am	Personal Protective Equipment's (PPE) introductions, Choices of PPE in laboratory systems
10.30 – 11.00 am	TEA- BREAK
11.00 – 13.00 p.m	- Laboratory waste management Practices - Waste Classification and segregation - Lab waste handling and Storage Practices
13.00 – 14.00 p.m	LUNCH - BREAK
14.00 – 16.30 p.m	- Disposal of Lab waste - Incineration - Dilutions - Dos and Don'ts in Labs waste disposal

Day 3	EVENTS
9.00 – 10.30 am	- Developing Waste Management plan in Laboratory systems. - Role of senior management in Laboratory waste management - Role of Laboratory manager in lab waste management
10.30 – 11.00 am	TEA- BREAK
11.00 – 13.00 p.m	- Role of analyst in lab waste management - Roles of subordinate staff and contractors in lab waste management
13.00 – 14.00 p.m	LUNCH - BREAK
14.00 – 16.30 p.m	- Developing waste management plan for In organic wastes, CRM, Standards, Reagents and Residual samples. - In organic waste management and Disposal practices

Day 4	EVENTS
9.00 – 10.30 am	Developing waste management plan for organic wastes, Solvents, CRM, Standards, Reagents and Residual samples.
10.30 – 11.10 am	TEA- BREAK
11.00 – 13.00 p.m	Organic waste management and Disposal practices.
12-30 – 14.00 p.m	LUNCH - BREAK
14.00 – 15.30 p.m	Pesticides , Aflatoxin and drugs analytes, residual samples, CRMS
15.30 – 16.00 p.m	Developing waste management plan for Pharmaceuticals Laboratory, CRM, Standards, reagents and residual samples.

Day 5	EVENTS
9.00 – 10.30 am	Discussion and Suggestions
10.30 – 11.10 am	TEA- BREAK
11.00 – 13.00 p.m	Recommendation on the future of laboratory waste management in Africa
12-30 – 14.00 p.m	LUNCH - BREAK
14.00 – 14.30 p.m	Directors remarks and issue of certificates



Deadline: 14th October 2026

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**Cost Kes. 75,000.00
or USD 700.00
exclusive of taxes**

NAIROBI

Online Training available at: www.chromafrika.com

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