

Chemical Laboratory Safety Practices, Waste Management & Disposal

26th - 28th
MARCH 2025

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.



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Day 1	26-03-25	EVENTS
8.30 – 09.30 am	Registration and Climate Setting	
		<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Overview of Laboratory Risk Management according to ISO/IEC 17025/2017. 	
10.30 – 11.00 am	TEA- BREAK	
11.00 – 13:00 p.m	<ul style="list-style-type: none"> • Laboratory Hazardous Substances and Classification • Chemical hazards eg Organic solvents, Inorganic 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	<ul style="list-style-type: none"> • 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 	

Day 2	27-03-25	EVENTS
9.00 – 10.30 am		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> Laboratory waste management Practices Waste Classification and segregation Lab waste handling and Storage Practices Disposal of Lab waste Incineration Dilutions Dos and Don'ts in Labs waste disposal
13.00 – 14.00 p.m		LUNCH - BREAK
14.00 – 16.30 p.m		<ul style="list-style-type: none"> Developing Waste Management plan in Laboratory systems. Role of senior management in Laboratory waste management Role of Laboratory manager in lab waste management Role of analyst in lab waste management Roles of subordinate staff and contractors in lab waste management

Day 3	28-03-25	EVENTS
9.00 – 10.30 am		<ul style="list-style-type: none"> Developing waste management plan for Inorganic wastes, CRM, Standards, Reagents and Residual samples. Inorganic waste management and Disposal practices
10.30 – 11.10 am		TEA- BREAK
11.00 – 13.00 p.m		<ul style="list-style-type: none"> Developing waste management plan for organic wastes, Solvents, CRM, Standards, Reagents and Residual samples. Organic waste management and Disposal practices. Pesticides, Aflatoxin and drugs analytes, residual samples, CRMS
12-30 – 14.00 p.m		LUNCH - BREAK
14.00 – 15.30 p.m		<ul style="list-style-type: none"> Developing waste management plan for Pharmaceuticals Laboratory, CRM, Standards, reagents and residual samples. Pharmaceuticals waste management and Disposal Practices
15.30 – 16.00 p.m		<ul style="list-style-type: none"> Discussion and Suggestions Recommendation on the future of laboratory waste management in Africa Directors remarks and issue of certificates



Deadline: 16th March 2025

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Cost Kes. 63,800.00
or USD 638.00

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