



# CERTIFICATE OF COMPLETION

Tabitha Orwa

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has completed an online training Module on:

## Introduction to Chemical Safety and Security

Geoffrey Otieno, PhD  
Governing Council Member, Kenya Chemical Society  
Nairobi, Kenya

Austin Ochieng Aluoch, PhD  
National Secretary, Kenya Chemical Society  
Nairobi, Kenya

To Confirm validity of the certificate by sending an email to: [kenchemsoc@gmail.com](mailto:kenchemsoc@gmail.com), [admin@kenyachemicalsociety.org](mailto:admin@kenyachemicalsociety.org) or call +254 791 339 237



KENYA CHEMICAL SOCIETY



# CERTIFICATE OF COMPLETION

Tabitha Orwa

has completed an online training Module on:

**Chemical Risk Assessment**

Geoffrey Otieno, PhD  
Governing Council Member, Kenya Chemical Society  
Nairobi, Kenya

Austin Ochieng Aluoch, PhD  
National Secretary, Kenya Chemical Society  
Nairobi, Kenya

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# CERTIFICATE OF COMPLETION

Tabitha Orwa

has completed an online training Module on:

## Chemical Security Vulnerability Assessment

Geoffrey Otieno, PhD  
Governing Council Member, Kenya Chemical Society  
Nairobi, Kenya

Austin Ochieng Aluoch, PhD  
National Secretary, Kenya Chemical Society  
Nairobi, Kenya

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KENYA CHEMICAL SOCIETY

# CERTIFICATE OF COMPLETION

Tabitha Orwa

has completed an online training Module on:

**Chemical Transport Security**



CHEMICAL SECURITY PROGRAM

Geoffrey Otieno, PhD  
Governing Council Member, Kenya Chemical Society  
Nairobi, Kenya

Austin Ochieng Aluoch, PhD  
National Secretary, Kenya Chemical Society  
Nairobi, Kenya

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# Certificate

INTEGRATED MANAGEMENT

SYSTEMS

This is to certify that

Tabitha O. Orwa

has attended the

ISO 14001:2015 & ISO 45001:2018

Implementation Course

conducted in NAIROBI

from 7th Oct 2019 to 9th Oct 2019

Date 9th Oct 2019



A blue ink signature of a person's name is written over a horizontal line.

MANAGING DIRECTOR  
Kenya Bureau of Standards



# Certificate of Completion

is awarded to

Tabitha Orwa

for participating in the 5-day In-Country Laboratory Workshop

covering theoretical and practical test method training on:

Male Latex Condoms to ISO 4074, WHO/UNFPA Technical Specifications  
Female Condoms to ISO 25841, Laboratory Accreditation to ISO 17025:2017, Sampling Procedures to  
ISO 2859 and Post and pre-market surveillance

Nairobi - Kenya, 23 July - 27 July 2018

David Michael Hill  
UNFPA Consultant

Dr. Sivakumar Kamakshinatha  
UNFPA Consultant

Linda Serwaa  
Quality Assurance Associate  
UNFPA



THE KENYA INSTITUTE OF MANAGEMENT



**Kenya Bureau of  
Standards**  
Standards for Quality life

# Certificate of Attendance

This is to certify that

*Elikitha Orwa*

Attended the **Process and Performance Improvement Seminar**  
held on **26th to 29th March 2018**  
at **Eka Hotel, Nairobi**

A handwritten signature in black ink, appearing to read 'Elikitha Orwa'.

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EUROPEAN FOUNDATION  
QUALITY MANAGEMENT AMBASSADOR

CERT. No.: KENAS/GENERAL/17025:2017/074



# Certificate of Participation

This is to certify that

**TABITHA ORWA**

participated in the implementation course of

**ISO/IEC 17025:2017**

**General Requirements for the Competence of Testing and Calibration Laboratories**

organized by the Kenya Accreditation Service and held from 24<sup>th</sup> to 25<sup>th</sup> May 2018  
at College of Insurance, Nairobi

A handwritten signature in blue ink, appearing to read "Martin Cheshire".

**MARTIN CHESTRE**  
**CHIEF EXECUTIVE OFFICER**  
**KENYA ACCREDITATION SERVICE**

Embankment Plaza, 2nd Floor, Upper Hill, Longonot Road, Off Kenya Road, P. O. Box 47400 – 00100 GPO Nairobi, Kenya  
Tel: +254 725 227 640 / 787 395 679 Email: [info@kenyaaccreditation.org](mailto:info@kenyaaccreditation.org) / [info@kenas.go.ke](mailto:info@kenas.go.ke)  
Website: [www.kenas.go.ke](http://www.kenas.go.ke)

Ekokons d.o.o., Belgrade, Serbia

# Certificate of Training

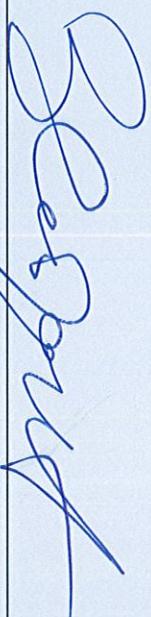
This certificate is presented to

Tabitha Owiti Orwa

For successfully completing all required coursework and training for

Application training for ICP OES Agilent Technologies 5110 system

In Nairobi, June 23, 2017.



---

Trainer: Zoran Stojanović, chemist



**MUCMAR MANAGEMENT CONCEPTS LTD**

# Certificate of Participation

**TABITHA O. ORWA**

has successfully completed a course in

## **PRESENTATION SKILLS & PERSONAL BRANDING**

### **COVERING:**

- ADULT LEARNING PRINCIPLES (SUBCONSCIOUS POSTURING)
- LEARNING STYLES
- PREPARATION OF TRAINING MATERIALS
- PRESENTATION AND FACILITATION SKILLS
- PERSONAL BRANDING
- EMOTIONAL INTELLIGENCE: FEELING FROM THE CROWD
- GROOMING & ETIQUETTE

**DATE: 15<sup>TH</sup> TO 17<sup>TH</sup> MAY 2017**

**VENUE: NQI TRAINING ROOM, NAIROBI**

Signed .....  
Managing Consultant





**JOMO KENYATTA UNIVERSITY  
OF  
AGRICULTURE AND TECHNOLOGY**

**Project Management Certificate of Participation**

*This is to certify that*

**TABITHA ORWA**

Attended training and covered the following modules in a training held at Maanzoni Ranch - Machakos Between 12th September 2016 to 16th September 2016:

- Meaning of project management
- The role of project manager
- Principles of project management
- Project planning techniques
- Project budget preparation
- Task and resources
- Risk Identification & management in projects
- Change management
- Constancy of change
- Challenges to change
- Causing change to happen
- Managing the transition
- Sustaining the momentum to avoid backsliding
- Project team management
- Project finance –Sources and management
- Project Budget preparation
- Project Planning techniques – tools
- Business and commercial aspects in projects
- Execution and termination of project

A blue ink signature of the title "DEAN, SEPM" followed by a handwritten signature.

DEAN, SEPM

A blue ink signature of the title "DEPUTY VICE CHANCELLOR (ACADEMIC AFFAIRS)" followed by a handwritten signature.

DEPUTY VICE CHANCELLOR  
(ACADEMIC AFFAIRS)

A blue ink signature of the title "VICE CHANCELLOR" followed by a handwritten signature.

VICE CHANCELLOR



JKUAT IS ISO 9001:2008 and 14001: 2004 Certified





# Certificate

QUALITY MANAGEMENT

SYSTEMS

This is to certify that

TABITHA ORWA

has attended the

ISO 9001:2015 IMPLEMENTATION COURSE

NAIROBI - KENYA

conducted in

27th April 2016

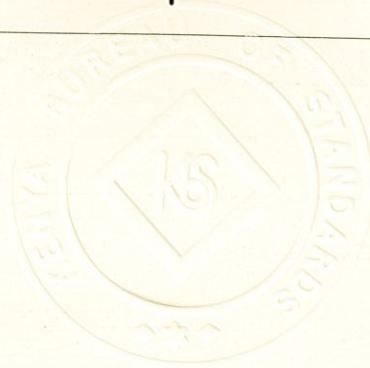
28th April 2016

from

to

28th April 2016

Date



MANAGING DIRECTOR  
Kenya Bureau of Standards

A handwritten signature in black ink, appearing to read "Kalebu", is placed next to the title.



## Certificate

FOOD SAFETY MANAGEMENT

SYSTEMS

This is to certify that

Tabitha Orwa

has attended the

Implementation of ISO 22000:2005

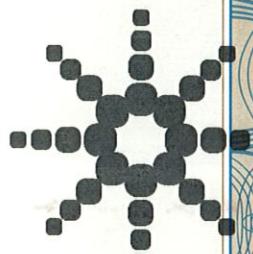
Seminar

conducted in NAIROBI - KENYA

from 8th October 2014 to 10th October 2014

Date 10th October 2014

  
For: MANAGING DIRECTOR  
Kenya Bureau of Standards



# Agilent Technologies

## Customer Training Certificate

THIS IS TO CERTIFY THAT

**Tabitha Owiti Orwa**

HAS COMPLETED

**R1777A**

**7700 ICP-MS System Training Mass Hunter**

---

January 14-17, 2014

DATE

\_\_\_\_\_  
Abe Gutierrez  
Instructor



## Certificate

LABORATORY MANAGEMENT

SYSTEMS

This is to certify that

Orwa Tabitha

has successfully completed the course, assessment  
and examination for the

Training of Trainers Course

conducted in NAIROBI - KENYA

from 6th March 2013 to 8th March 2013

Date 8th March 2013



*Obdue*  
MANAGING DIRECTOR  
Kenya Bureau of Standards



## Nesvax Innovations Limited

2<sup>nd</sup> Floor Odyssey plaza, South B, P. O. Box 14360-00100, Nairobi, Kenya

Tel: +25420552096 / +254712665575. Fax: +25420552096

E-mail: info@nesvax.com

# Certificate Of Attendance

This to confirm that *Ms Orwa Tabitha Owiti* duly Completed  
an End-User Training on  
*the Microwave Plasma Atomic Emission  
Spectrometer (MPAES)*

**Trainer:** *Mr Jaichand Vakeer, Support Engineer,  
SMM Instruments Pty-Sole Distributors-  
Agilent Technologies-Sub-Africa.*

**Date:** *02nd-3rd of October 2012*

**Venue:** *KEBS Headquarters, Nairobi*

On Behalf of the Nesvax:

Name: Sylvester Gule

Title: Managing Director

Signature:

Date: *5/10/2012*



**Agilent Technologies**

*Authorized Distributor*

# XRF 2012

## SHORT COURSE IN MODERN X-RAY FLUORESCENCE SPECTROMETRY

June 4<sup>th</sup> to 15<sup>th</sup>, 2012

## GOLD CERTIFICATE

THIS CERTIFIES THAT

**Tabitha Orwa**

attended the lectures and took part in the laboratory exercises making up the above course on modern XRF analysis.

The course comprised a comprehensive treatment of the basic principles and practice of X-ray fluorescence spectrometry, including both wavelength and energy dispersive systems, sample preparation methods, and qualitative and quantitative applications of the technique. The laboratory exercises covered instrumentation, many aspects of the correct setting of instrumental parameters, qualitative analysis, and data reduction procedures for quantitative major and trace element analysis.

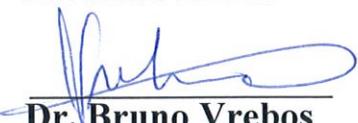
The derivation, calculation and application of influence coefficients for the correction of inter-element effects were covered in depth. The application of modern fundamental parameter software programs for the correction of inter-element effects in both major and trace element data was discussed.

Quality control of the measurement, instrument and calibration were presented following GLP guidelines.

**The Faculty:**

M. Hinds

Dr. Mike Hinds



Dr. Bruno Vrebos



Maggi Loubser



Alexander Seyfarth



Dr. Charles Wu



This is to certify that

## TABITHA OWITI ORWA

participated in and completed the

### REGIONAL (AFRA) TRAINING COURSE FOR ANALYSIS OF HEAVY METALS AND ESTABLISHED PT SCHEME FOR FOOD SAFETY C7-RAF-0.027-009/11

held in  
Pretoria, South Africa  
21–25 November 2011

The training course was organized by the International Atomic Energy Agency (IAEA) in cooperation with the Government of South Africa through the National Metrology Institute (NMISA).

The programme of the training course consisted of lectures and practical sessions, including the following main topics:

- ISO/IEC 17025 standard requirements for chemical analysis
- The use of certified reference materials (CRMs), reference materials and calibration solutions in analytical process
- Principles of weighing, gravimetric preparation of solutions and dilution
- Determination and check of homogeneity and stability of samples and reference materials
- Sample preparation, storage of solutions and samples
- Analytical methods for heavy metal analysis, method verifications
- Identification of elements, quantification of elements
- Measurement uncertainty, reporting of results and recordkeeping

  
Ali Boussaha  
Director  
Division for Africa  
Department of Technical Cooperation  
IAEA

  
Molefi Motuku  
Chief Executive Officer  
National Metrology Institute  
of South Africa



African Organisation for Standardisation

# Certificate of Participation

Awarded to

*Ms. Tabitha Orwa*

of Kenya Bureau of Standards (KEBS)  
for successful participation in the ARSO Four day Course on  
Method Validation and Uncertainty of Measurement, which was undertaken  
on the 27<sup>th</sup> to 30<sup>th</sup> of July 2009 at the Nairobi Safari Club, Kenya.

*David Koech*  
Dr. David Koech  
Trainer

*Andrew Maiyo*  
Mr. Andrew Maiyo  
Secretary General, ARSO