

CURRICULUM VITAE (C.V.)

NAME: TOBIAS ANG'ILA OLOLO

PERMANENT ADDRESS: KENYA BUREAU OF STANDARDS
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DATE OF BIRTH: 12TH JANUARY 1974

AGE: 47 YEARS

SEX & MARITAL STATUS: MALE/MARRIED

NATIONALITY: KENYAN.

RELIGION: CHRISTIAN (CATHOLIC)

Languages English
Swahili
Hindi
Luo

PROFESSION: CHEMIST

PRESENT DESIGNATION: Assistant Manager

ACCADEMIC QUALIFICATIONS:

1995-1996 MAY: Bachelor of Science first year (Bombay University)

Subjects: Chemistry, Physics and Botany

Grade: Second class

1996-1997-May: Bachelor of Science Second year

Subjects: Chemistry and physics

Grade: Higher second class

1997-1998: Bachelor of Science Final year

Subjects: Chemistry and Applied Components

- i) Inorganic
- ii) Organic

- iii) Physical
- iv) Analytical
- v) Drugs
- vi) Dyes

Grade: Upper first class

1989-1993 Higher secondary school (Kenya Certificate of Secondary Education (KCSE), Netima Secondary School

Grade: B- Minus

1980-1988 Primary School (Kenya Certificate of Primary Education (KCPE), Kuoyo Kochia Primary School

Grade: 56/72 points

Professional Qualifications:

1999-to date: Employed and trained by Kenya Bureau of Standards in the following areas:

- i. Laboratory testing and Laboratory Management
- ii. Trained trainer in Quality Management systems, ISO 9001:2008
- iii. Trained auditor in Quality Management Systems
- iv. Trained Assessor in ISO 17025, laboratory accreditation
- v. Trained as a trainer in Laboratory Quality Management and Documentation
- vi. Trained in method validation and uncertainty of measurement
- vii. Trained quality Assurance officer and Inspector based on the Kenya Standards
- viii. Trained Standards officer in the Standards Development process, including harmonization of regional standards.
- ix. Trained Lead Auditor based on ISO 19011 and ISO 9001:2008

1. Chemical Testing

- a) Wet chemical analysis on various products ranging from foods, Chemicals etc
- b) Metrology
- c) Standardization
- d) Quality control and Quality assurance
- e) ISO 17025:2005 for Laboratories and ISO 9000 series, Management systems
- f) Trained in quality control documentation for laboratories as in the ISO Guide 17025:2005

2001: Trained on Computer chemical analysis with software configurations in the following computer software's:

- a) Windows 95,98 and 2000 and related features
- b) Windows NT, Windows Xp,
- c) MS office 2000
- d) PageMaker

- e) Microsoft Access
- f) AA Win lab soft ware, which is windows 98 and NT Compatible for AAnalyst 100/300 for AAS by Perkin Elmer. Trained on both the equipment operation and configuration of its available accessories as listed:

Equipment Accessories:

AAnalyst 300 has with it HG 800 for graphite furnace technique, Flame spectrometer and Cold Vapour Hydride Generator technique

- g) **2002 (November)** trained at intertek testing services branch in Mombasa in the AAS Bye Unicam in the following:
- h) SOLAAR soft and equipment configuration and operation, which is Windows 95 compatible for AAS UNICAM 969 series.
- i) Further trained on both the equipment usage and maintainants of its accessories as below:
UNICAM 969: Flame Technique:
I've been fully trained on both the equipments and their full operational usage and routine maintainants.
The training also involved petroleum sample preparation for Heavy metals.
- j) July 2006-Hydroquinone Analysis in cosmetic by HPLC

2. Quality Management Systems

Since my time of employment in Kenya Bureau of Standards, I've been continuously trained on the following areas of QMS of the laboratory and management.

- a) Standardization, Quality control, Quality assurance, Metrology and testing
- b) ISO Guide 17025 for Laboratories and ISO 9000 series
- c) Trained in quality control documentation for laboratories as in the ISO Guide 17025
- d) **2003, ISO 9001 series- Management Systems-** By KEBS during the training for the industries in Nairobi.
- e) **2003, ISO 17025,** Laboratory management, laboratory data control, Proficiency Testing and Measurement Uncertainty --- Organized by Technikon institute of South Africa
- f) **2004, February ISO 17025,** Laboratory management, Documentation, laboratory data control, Proficiency Testing and Measurement Uncertainty Organized by SADCMET and GTB in Windhoek Namibia.
- g) January 21, 2005, trained as Trainer on aspects of Laboratory Quality management and Documentation.
- h) 21-23rd April 2005, Trained for second time in ISO 9000 family of standards and extensively in ISO 9001:2000
- i) 12th-14th October 2005, Trained as a quality auditor in ISO 9001:2000 and ISO 17025:2005 by Kenya Bureau of Standards.

- j) September 2006- Retrained as a Technical Auditor in ISO/IEC 17025:2005 by KENYA BUREAU OF STANDARDS
- k) March 2012, Trained as Lead Auditor for ISO 9001:2008 and ISO 14000

3. Training, Workshops and Seminars Attended

- a) 2002 May 11th International Congress on Chemistry of Cement held in Durban South Africa
- b) 2002 -Workshop on Documentation and Measurement Uncertainty (ISO 17025) in KEBS By Technikon.
- c) 2003 May, 11th International congress on chemistry of cement in Durban South Africa
- d) July 2003 Basic Statistics and Chemical Method validation
- e) 2003 September, ISO 9001:2000, 14000 held in Nairobi By KEBS
- f) 2004 February 22nd, Workshop on water testing and PT in trace elemental analysis and ISO guide 17025 in Windhoek Namibia.
- g) 2004 October 30th, Workshop on water testing and PT in trace elemental analysis and ISO guide 17025 in Pretoria South Africa
- h) December 13th-17th 2004, attended 3rd Laboratory Managers Association (AFRICA-ALMA) in Nairobi-Kenya.
- i) 30th January to 5th February 2005, Trained in Petroleum testing at intertek Mombasa.
- j) November 2005 Estimation of Uncertainty in Chemical Measurement SADC resource center for metrology education
- k) 9th –11th February 2005, Second EAU (TSD) subcommittee workshop held in Daresalam Tanzania.
- l) December 2005, Performance management course by Kenya Institute of management.
- m) 2008 Market Surveillance Stage 2 –Legal powers and Stakeholders relations
- n) May 2009, Drinking water and Waste management course by Monarc in Namibia.
- o) October 2009, Investigation course conducted at KEBS by the CID training department.
- p) Advanced Project Management planning and Evaluation Techniques held on 25th of June 2008 in Botswana
- q) Food Safety Management ISO 22000 4th June-6th June 2008 at KEBS Nairobi
- r) 12th -14th October 2005, Internal Quality Auditing Course Organized by KEBS at college of Insurance.
- s) 12th-14th October 2005, Trained as a quality auditor in ISO 9001:2000 and ISO 17025:2005 by Kenya Bureau of Standards.

- t) Lead Auditor course Based on ISO 19011 and ISO 9001:2008 26th to 31st March 2012 Organized by KEBS Mombasa.
- u) Product assessment conformity course September 2007
- v) Trade Negotiation workshop organized by Trade Policy Training Centre in Africa (trapca) in Arusha 23rd to 25th May 2012.
- f. Blended Learning Training course “Quality Infrastructure for Sustainable Development” from 10th February 2014 to October 2014 by Physikalisch-Technische Bundesanstalt (PTB), sponsored through PTB International Technical Cooperation in the framework of the German Development Cooperation.
- The training covered the following areas:
 - i. Fundamentals of Standardization;
 - ii. Economic impact of Standardization;
 - iii. Role of Technical regulations and Standards in trade;
 - iv. Conformity assessment;
 - v. Standards and the National quality infrastructure;
 - vi. Role of Standards in trade agreements; and
 - vii. Regional economic Communities (REC) and Trade negotiations.
- g. Trained and Gazetted inspector

4. Duties and responsibility As Chemical Laboratory Manager 2004-2007

- a) **Head of laboratory (CHEMISTRY) and carrying out the following duties:**
 - i) Assigning and supervising of work in the Laboratory.
 - a. Ensuring prompt calibration of equipments and their routine maintenance per the prepared schedules
 - b. Signing of test certificates
 - c. Giving evidence in court as an expert witness
 - d. Giving technical comments and attending to relevant technical committee meetings
 - e. Being a resource person on special topics
 - f. Ensuring proper on the job training for new staff.
 - g. Updating the competence of staff in carrying out tests
 - h. Coordinating inter laboratory and proficiency tests in the laboratory.
 - i. Review of laboratory procedures.
 - j. Ensuring the Maintenance and continuous improvement on ISO 17025 and UKAS Accreditation in the Laboratory.
 - k. Signing staff appraisals forms.

- l. Control and Management of Laboratory consumables and doing Laboratory for supply department.

5. Duties and responsibility As Assistant Manager Agrochemical 2007-2010

- b) Assistant Manager Quality Assurance (Agrochemical):
 - i) Factory inspection for compliance to relevant Standards.
 - m. Factory inspection/Assessment/Audits for certification of products and Management systems
 - n. Offer advice in production and Quality Controls for the industries.
 - o. Collect and submit samples/products from the industry for testing to confirm Standards implementation and compliance by the industry
 - p. Conduct general market surveillance on product quality offered for sale at the various outlets.
 - q. Provide technical advice to the industry in areas of product failures
 - r. Attend stake holders meetings and presenting relevant papers in my area of operation.
 - s. Conduct investigations involving court cases and complains
 - t. Regional Management Representative in the implementation of ISO 9001:2008 at KEBS.
 - u. Carrying out audits as a trained internal auditor within KEBS
 - v. Offering training services for the KEBS NQI
 - w. Mount Kenya Region Internal Consultant for the region on the Balance Scored implementation.

6.0 DUTIES AND RESPONSIBILITIES AS ASSISTANT MANAGER EAC/COMESA AFFAIRS

6.1 KEY RESPONSIBILITIES:

1. Analysis of trade flows between Kenya and other EAC Partner States and trade flows between Kenya and other COMESA Member States with a view to establishing current or potential technical barriers to trade and means of overcoming them.
2. Participating in the resolution of trade disputes between Kenya and other trade partners in the EAC and COMESA.
3. Develop draft texts for the proposed standards for harmonization among EAC Partner States and also for harmonization among COMESA Member States and harmonization of standards and conformity assessment between COMESA, EAC and SADC.
4. Prepare and implement Departmental Work plans, Work programs and Work Schedules.
5. Assists in preparation and implementation of budgets.
6. Monitor, evaluate and review performance targets giving recommendations for corrective action within the Department.
7. Participate in the standardization activities of other standards bodies e.g. ISO, ARSO etc with a view to gathering data which can assist in preparing standards which are internationally acceptable.
8. Coordinate the implementation of the EAS principles and procedures for harmonization of the EAC Standards.

6.2 SPECIFIC ACTIVITIES AS ASSISTANT MANAGER EAC/COMESA

- i) Prepare texts of proposed standards for harmonization and review of harmonized standards in the following areas:
 - (a) Chemical industry including petroleum standards
 - (b) Environmental standards

- (c) Standards for water quality including drinking water, wastewater, water treatment works and related activities
- (d) Alcoholic beverages
- (e) Food and agriculture as may be assigned
- ii) Lead EAC Partner States in negotiating the following regional agreements, regimes and instruments
 - (a) EAC and COMESA Simplified Trade Regimes
 - (b) Coherent strategy for regional integration
 - (c) EAC-COMESA-SADC Tripartite Free Trade Area Negotiations
 - (d) AfCFTA (African Continental Free Trade Area)
- (e) Prepared the procedures for harmonization of standards in the EAC and implementation of the same
- (f) Coordinating the implementation of the new procedures for harmonizing EAC Standards at the National level
- (g) National Monitoring Committee for Non-Tariff Barrier to Trade
- (h) Interministerial meetings as assigned
- (i) Participating the regional trade Negotiation meetings and presenting Kenyan and regional positions
- (f) Any meeting or forum deliberating on matters coming within the operations of the Department

6.3 OTHER DUTIES:

- i) Undertake development and maintenance of Kenya standards and other deliverables such as Publicly Available Specifications(PAS), Technical Reports(TR), Company standards and National workshop agreements(NWA), based on market/customer needs within relevant sectors.
- ii) Carrying out special inter-committee co-ordination tasks as requested by the Management.
- iii) Carry out activities of Head of Department in his/her absence.
- iv) Serve as a resource person as required by KEBS National Quality Institute and Certification Body.
- v) Carry out any other duties as may be assigned from time to time.

7.0 Audits Conducted

- i) July 2009, KEBS Internal Audits in Garissa regional office
- ii) 27th to 28th August 2009, Certification audit for Mount Kenya bottlers based on FSMS ISO 22000.
- iii) January 2010, KEBS internal audits in Nairobi SDI
- iv) KEBS North Rift Region (June 2010)
- v) KEBS Eldoret (January 2012)

8.0 TRAININGS CONDUCTED

- | | | |
|------|------------------------------|---|
| i. | Ministry of Foreign Affairs: | QMS-ISO 9001 implementers |
| ii. | KASNEB: | QMS-ISO 9001 Implementers |
| iii. | CDF Board | QMS –ISO 9001 Awareness |
| iv. | MATTER Hospital | QMS-ISO 9001 Awareness |
| v. | NYEWASCO | LQMS-ISO 17025 Method Validation and Uncertainty of |
| | Measurements | in April 2011 |
| vi. | KARI | LQMS-ISO 17025 Internal Audits in March 2012 |

vii.	KARI	LQMS-ISO 17025 Method Validation and Uncertainty of Measurements	July 2012
viii.	Cotton Development Authority	LQMS-ISO 17025 Implementers	April 2010
ix.	Kenya Roads Board	QMS-Internal Audits	August 2011
x.	Jomo Kenya University	QMS-Internal Audits	
xi.	Nyayo Tea Zones	QMS: Internal Audits	February 2012
xii.	Geothermal	QMS: Awareness	
xiii.	OPEC	QMS implementers	December 2011
xiv.	East Africa School of Aviation	QMS implementers	February 2012
xv.	Kenya Sugar Research Foundation	QMS-Internal audits	February 2012
xvi.	Coffee Research Foundation	QMS Internal Audits	March 2012
xvii.	Agricultural Development corporation	IQA-Internal audits	April 2012
xviii.	Kenya Veterinary Vaccine Production Institute (KEVEVAPI)	Internal Audits-	June 11 th to 15 th 2012
xix.	Kenya Cooperative Creameries	Internal Audits	August 2012
xx.	Kenya Sugar Research Foundation	Method Validation and Uncertainty of Measurements-	22 nd to 26 th of October 2012
xxi.	KETEPA	QMS-Internal Audits	March 2013
xxii.	Youth Enterprise Development Fund	QMS Implementers	April 2013
xxiii.	Embu University College	QMS Implementers	April 2013
xxiv.	KENAS	Laboratory Method validation and Uncertainty of Measurements	May 2015
xxv.	KEPHIS (SPS)	Laboratory Method validation and Uncertainty of Measurements	August 2018

9.0 CONSULTACY WORK DONE

1. Raka Cheese- Consulted for the firm on ISO 22000, Food Safety Quality Management System. Consultancy work done from December 2009 to March 2010
2. Highlands Mineral Water- ISO 9001:2008, Quality Management System, Consultancy work done from January 2010 to September 2010
3. Nyewasco –Nyeri Water and Sewerage Company Ltd-ISO 17025, Laboratory Quality Management System. Consultancy work done between August 2010 to May 2011.

10.0 OTHER STANDARDS HARMONIZATION WORK DONE

- i. participated in the drafting, harmonization, editing and finalizing the development of the Principles and Procedures 2nd edition for developing the East African Standards.
- ii. participated in the drafting, harmonization, editing and finalizing the development of the Principles and Procedures 2nd edition for developing the EAC-COMESA-SADC Tripartite Standards.
- iii. Participated in the validation work of the consultant in finalizing the COMESA SQAM
- iv. Worked as a technical expert with the EAC Secretariat to assist the EAC member Partner States in the fast tracking of the implementation of the Standardization work three work programs developed by the EAC Standards Management committee (SMC) in Arusha June 2012 and coordinated the implementation of the EAC Principles and Procedures of developing EAC Standards at the National level and coordinate the same with SMC secretariat.

11. REGIONAL TRADE NEGOTIATIONS

I. EAC-COMESA-SADC Tripartite FTA

- a) Took lead in the Negotiations of Tripartite Annexes on TBT, NTB and SPS
- b) Currently taking lead in the development of the guidelines to implement the Annexes on TBT, TBT and NTBs

- II. African Continental Free Trade Area Agreement: ACFTA
 - a. Took lead in the Negotiations of Tripartite Annexes on TBT, NTB and SPS
 - b. Currently taking lead in the development of the NTB reporting, Monitoring and Elimination Mechanism to implement the provisions of Annex 5 on NTBs of the AfCFTA Agreement
- iii. **TBT-Technical Lead in the Kenya-USA FTA Negotiations and**
- iv). **TBT. Technical Lead in the Kenya-UK EPA (Economic Partnership Agreement) Negotiations**

11.0 WORK EXPERIENCE

I have worked in Kenya Bureau of Standards for 21 years in the following Areas:

- Laboratory analyst 1999-2004
 - Laboratory Section Head (Manager) 2004-2017
 - Quality Assurance Food and Agriculture Section Head 2017-2010
 - EAC/COMESA Department Assistant Manager 2010 to date.
- i) Computer Chemical analysis in the trace elemental testing in all types of products requiring elemental analysis from all the KEBS laboratories.
 - iii) Computer Chemical analysis using XRF in the trace elemental testing in petroleum products, Viscometer, Herzog petroleum distiller, Mini distiller, Carl Fischer titrator, Automatic flash point tester, Smoke point tester, UV/VIS, Sacchorimeter, BOD analyzer, etc.
 - iv) Research and methodology in the areas of non-routine testing for the laboratory.
 - v) Documentation of the laboratory operating procedures in accordance with the UKAS accreditation and ISO 17025:2005 requirements for the laboratory.
 - vi) Analyzing data generated by the laboratory to comply with the UKAS accreditation and ISO 17025:2005 on the laboratory quality control of the test results.
 - vii) Monitoring the implementation and maintenance of UKAS accreditation to ISO 17025:2005, in the laboratory and ISO 9001:2000.
 - viii) Supervising the laboratory analysts and technicians in the Chemical and petroleum laboratory and advising on the use of various petroleum testing equipments.
 - ix) Resource person in testing services in areas of management training (ISO 9001:2000) and ISO 17025:2005.
 - x) Offering training services to KEBS NQI in ISO 9001: 2008 and ISO 17025 for Laboratories seeking accreditation: **(Implementers, Internal Audits, Method Validation and Uncertainty of Measurements)**
 - xi) Quality assurance inspection of various products including manufacturing and production processes.
 - xii) Coordination of the implementation of EAC-SQMT Activities and COMESA SQAM activities originating from the reports of the structures within the SQMT and SQAM organs.
 - xiii) Managing the Regional Integration Implementation Program (RIIP) from 2012 to date

JOB TITLES

Laboratory analyst III –1999 to 2002

Laboratory analyst II –2002.

Head of Section (Chemistry) -2004 to 2006

Principal Quality Assurance Officer 2007 to 2008

Assistant Manager Agrochemical 2008- 2010 Mount Kenya Region

Assistant Manager EAC/COMESA Standards Depart 2010 to date

Hobbies:

Reading of Chemistry journals, Discovery commentaries, Research documentaries, Water related issues, Watching Discovery channel and Watching and reading both local and international news.

Referees:

1. Ambassador Nelson NDIRANGU OGW

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