**CURRICULUM VITAE**

**STEPHEN MOSOTIOMWAMBA**

P.O Box 282-40202, KEROKA

**E-mail: [somwambam@gmail.com](mailto:somwambam@gmail.com) /somwambam@yahoo.com**

Cell phone: **0707 855 656 / 0746852868**

**PERSONAL INFORMATION**

**Year of Birth:** 04TH DECEMBER, 1992

**Gender :** MALE

**Nationality :** KENYAN

**Citizenship :** BIRTH

**Marital Status:** MARRIED

**I.D No :** 29571817

**Languages :** ENGLISH, KISWAHILI and EKEGUSII

**PERSONAL ATTRIBUTES**

Able to work in a matrix environment under pressure, self-driven and result driven requiring minimum work supervision, team player, high integrity, diligence and open-minded and high attention to details and strives for quality.

**EDUCATIONAL BACKGROUND**

**Aug. 2012- Nov. 2016**: ***University of Eldoret***

Qualified for Bachelor of Science **(Analytical Chemistry with Computing)**

**Graduated**: 25th November 2016 with 2nd Class Honors Upper Division

**Dec. 2011-Feb. 2012:*Texas College of Professional Studies***

Certificate in Computer Studies

Grade: **Credit**

**2008-2011**: ***Amabuko Secondary School***

KCSE certificate

Average Grade: **B+ (plus)**

A in Mathematics and B+ in Chemistry & physics

**2000-2007**: ***Amabuko Primary School***

KCPE Certificate

Total Marks: **343/500**

**CAREER OBJECTIVES**

To enhance my professional skills in a dynamic and stable workplace which will offer me a consistently positive atmosphere to learn new technologies and implement them effectively for the betterment of the organization.

**PROFESSIONAL QUALIFICATIONS**

***24th – 28th February 2020: KENAS Training on ISO 17025:2017 Implementation ( EKA Hotel)***

* *Introduction*
* *Elements**of ISO/IEC 17025:2017*
* *Risk Management*
* *KENAS Accreditation requirements*

***11th-16th June 2017: Attended Ajira digital program at KU main Campus.***

Topics covered include;

* *Introduction to online work*
* *Introduction to soft skills*
* *Entrepreneurship and small businesses*
* *Internet marketing and research*
* *Signing up for various online platforms*
* *Online Bidding process*

***4th May- 30th June 2015:* Attached at *Kenya Bureau of Standards (KEBS)- Headquarters in South C***

On Attachment where I worked in Organic Lab and Inorganic Lab, Electro-analytical Lab, Chromatographic Lab, Afflatoxin Lab, Petroleum Lab, Chemicals and Sample Preparation Rooms and chemical store.

***1st – 2nd June 2013: Training at University of Eldoret conducted by NACADA officials***

*Topics covered include:*

* + - * *Effects of DSA*
      * *Addiction*
      * *Drugs related to HIV/STI*
      * *Alcohol control Act2010*
      * *Preventive measures*

**WORK EXPERIENCE**

**June 2020 – Present: Quality Control Analyst / Deputy Quality Control Supervisor– Botanical Extracts Ltd- EPZ**

***Responsibilities attached:***

1. Overseeing the production activities (Pyrethrum processing, Cinchona production, Essential oils, Bixa Orellana, Stevia among others.

2. Pyrethrum flowers, Grist and Py-marck analysis for assay content.

3. Cinchona analysis for Loss on Drying, particle size distribution and assay analysis.

4. Essential oil analysis for FFA, acid value, yield content, Iodine value, Saponification value.

5. Assay analysis for Caustic soda, lime, hexane, methanol, toluene.

6. Pyrethrum processed products- Crude Extract (Oleoresin) & Pale Refined Extract for assay content, Color test, Clarity test and Volatile content

7. Preparing analysis reports for all products processed

8. Attending management meetings and advising the management on areas to improve

9. Training new and existing QC analysts on various aspects of analysis

10. Making requestions for the laboratory consumables and non consumables

**December 2018 - March 2020: Quality Assurance Officer- Spectralab Analytical Services Ltd**

***Responsibilities attached:***

1. Record keeping- QA, QC.

2. Documentation of Test Methods for analytical procedures.

3.Method Validation and revalidation

4. Preparation of in-house reference materials.

5. Conducting trainings pertaining quality assurance.

6. Checking on quality of lab consumables and wares.

7. Issuing blind samples and QC samples.

8. Collect and compile statistical quality data.

9. Investigate customer complaints and non-conformance issues

10. Coordinate and support on-site audits conducted by external providers

11. Analyze data to identify areas for improvement in the quality system

12. Develop, recommend and monitor corrective and preventive actions

***November 2017 - November 2018: Laboratory Supervisor/ Analyst - Spectralab Analytical services – Nairobi***

***Responsibilities attached:***

* Waste disposal and housekeeping.
* Record keeping- QA, QC.
* Analysing petroleum products for Acid Number, Base Number, volatile content, density, saponification number, free organic and base content, pH levels
* Analysis of animal feeds for various parameters e.g. crude ash, crude fiber, protein, ash insoluble in acid, moisture content ,fat, P, Ca.
* Analysis of drinking water for its safety. Parameters tested include: heavy metals e.g. Pb, Ca, Cd, Mg,Na, K; presence of NO3-,NO2-,SO42-,SO32-, total dissolved solids, turbidity.
* Analysis of effluents for heavy metals, BOD, COD, nitrates, sulphides, Fats, oils and grease.
* Standard solutions and stock solutions preparation.
* Soil analysis for phosphorous, nitrogen, pH, electrical Conductivity, gypsum requirement, water holding capacityand heavy metals.
* Equipment calibration.
* Dicalcium phosphate and limestone salts analysis
* Aflatoxin analysis in food and feed stuffs
* Water Bacteriological analysis e.g. salmonella, shigella, E.coli, Streptococcus among others.
* Fertilizer analysis both organic and mineral for full profile
* Pozzolana rocks analysis for pH, EC, MgO,CaO, Silica
* Pharmaceutical products I.e body lotion and berries for pH, Stability, active ingredients, heavy metals

***Achievements***

* Training attachees and interns.
* Development and validation of new methods for wide range of products.
* Set out inventory to be used in the lab and come up with excel templates for various computations.
* Set out standards to govern the operation of laboratory.
* Training and ensuring that GLP is adhered to by all technicians.
* Able to operate a wide range of analytical instruments e.g. Flame Photometer, UV – Visible spectrophotometer, HPLC, Analytical weighing balances, pH meters, conductivity meters, ovens, furnaces, fridges, incubators; and troubleshooting most of them where able.

**October *23rd -27th 2017: Independent Electoral and Boundaries Commission***

Clerk (Amabuko Primary school polling station)

**Duties and responsibilities**

* Compiling and submitting daily report
* Rubber stamping ballot paper
* Issuing of ballot paper materials
* Receiving registration materials
* Verifying and validating elector using the KIEMs

***4th – 9th August 2017: Independent Electoral and Boundaries Commission***

Clerk I (Amabuko Primaryschool centre, polling station 2)

**Duties and responsibilities**

* Issuing of registration materials
* Stamping relevant voting materials
* Demarcation of the polling station
* Compiling and submitting daily report
* Receiving registration materials
* Assisting in voter verification and validation with KIEMS machine

***26th - 28th July 2017: worked as a Community Health Volunteer at Nyaribari Masaba***

**Duties;**

* *Taking record of households in the villages assigned.*
* *Counting of how many people in the households.*
* *Issuing nets to the households.*

**April – July 2017: Self employed**

***4th May- 30th June 2015: Kenya Bureau of Standards (KEBS)- Headquarters in South C***

On Attachment where I worked in Organic Lab and Inorganic Lab, Electro-analytical Lab, Chromatographic Lab, Afflatoxin Lab, Petroleum Lab, Chemicals and Sample Preparation Rooms and chemical store.

***Responsibilities attached:***

* Waste disposal and housekeeping.
* Record keeping- QA, QC.
* Analysis of detergent based products for various parameters.
* Analysis of alcohol products for matter insoluble in water.
* Analysis of refined sugar for reducing sugars, moisture content, non reducing sugars, presence of SO2, SO3, and presence of metals e.g. Magnesium, calcium, Polarization.
* Analysis of drinking water for its safety. Parameters tested include: heavy metals e.g. Pb, Ca, Cd, Mg,Na; presence of NO3-,NO2-,SO42-,SO32-, total dissolved solutes, turbidity.
* Analysis of effluents for heavy metals, BOD, COD.
* Analysis of acids for their purity.
* Analysis of salt for iodine , moisture content and amount of chloride
* Analysis of hand and body lotions for amount of hydroquinone present.
* Analysis of energy drinks for caffeine content.
* Analysis of tomatoes sauce and chilli sauce for amount of benzoic acid and sorbic acid.

***March 3th -5th 2012: Independent Electoral and Boundaries Commission***

Clerk (Amabuko Primary school polling station)

**Duties and responsibilities**

* Compiling and submitting daily report
* Issuing of registration materials
* Receiving registration materials
* Assisting in programming and installing IEBC software in the laptops

**RESEARCH**

**Jan 2016 –April 2016:**

**Title:** Determination of Citric Acid and pH Levels in Soft Drinks and Other Beverages

**Supervisor:** Dr Musa Arusei (0721611232)

**MEMBERSHIP**

* University Of Eldoret Students Association (UoESA)
* University of Eldoret Analytical Chemistry Students Association (UEACSA)
* University of Eldoret Seventh-Day-Adventist Church (UoESDA)
* Gusii University of Eldoret Student Association(GUESA)

**KNOWLEDGE AND SKILLS**

* Proven ability to prioritize a busy work load and deliver to tight time scale.
* Computer application (Ms Word, presentations, Excel, Access and publisher).
* Good Laboratory Practices (GLP).
* Knowledge on the use of Saccharimeter, Turbidity meter, refractometer, Density meter.
* Excellent communication and interpersonal skills.
* Knowledge on the use of pH meter, Conductivity meter, Dissolved Oxygen meter.
* Housekeeping and Waste Disposal practices.
* Knowledge on the use of HPLC.
* Knowledge on the use of Spectroscopic techniques – Flame Emission andUv-Vis spectroscopy.
* Good weighing practices.
* Knowledge on the techniques used in wet lab.

**HOBBIES AND INTERESTS**

* Reading inspirational books
* Attending seminars, church services, motivation talks
* Traveling and adventure
* Making friends and helping the needy
* Carrying out some electronic repair where able

**REFEREES**

Please feel free to contact the under mentioned in regard to my competence, work ethic, performance and / or any other aspect with respect to me:

1. Dr. Musa K. Arusei

Senior Lecturer and Field Attachment Coordinator,

University of Eldoret (UoE)

P.O. Box 1125- 30100

ELDORET.

Mobile: 0721611232

E-mail: musakarusei@yahoo.com

2. Mr. Nehemiah Achesa

Principal Laboratory Analyst (PLA),

Kenya Bureau of Standards (KEBS)

P.O. Box 54974-00200

NAIROBI.

Mobile: 0727136188

3. Mr. Douglas Ombongi

Production Supervisor,

Botanical Extracts Ltd EPZ,

P.O Box 401 – 00204, Athi River

NAIROBI.

Mobile: 0727 068373