



## ROSE KUBENDE

KEBS SOUTH C, OFF MOMBASA ROAD POPO ROAD, NAIROBI, KENYA,  
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### PROFESSIONAL SUMMARY

Detail-oriented laboratory professional with proven expertise in preparing, analyzing, and reporting test results promptly for microbiology laboratory reports. Keeps impeccable records in full compliance with internal and regulatory standards in isolation and identification of pathogenic microorganisms. Proficient in equipment maintenance and calibration. I feel you have the ability to succeed in the tasks I set out to do. Excellent interpersonal and organizational skills. Outstanding physical and mental dexterity. Ability to work well with others & independently. Proven time management skills and a strong attention to detail I tend to speak up and take charge of situations, and am comfortable leading groups. In addition, I have control over my desires; my choices are driven by a desire for discovery.

### SKILLS

- **Analytical Skills**

**The south African National Accreditation Service technical signatory (SANAS):** Responsible for development and maintenance of the contents (i.e. results and measurements) of the Certificate/Report, which I sign or authorize.

- Custodian of current knowledge of the method used, as well as the objectives of the tests
- Provide strategic assessment and interpret the data; data analysis and trouble shooting
- Serve as primary corporate expert when authorizing results or measurements, that all the necessary checks had been completed as required by the requirement of ISO 17025:2017 to ensure the quality of the results;
- Initiate and implement appropriate an in-depth knowledge of all requirements relating to accreditation specified in ISO 17025:2017, guide, regulation of IAF/ILAC/AFRAC mandatory document which applies to the SANAS, and those specific to the responsibilities of technical signatories and to the scope of accreditation; and am conversant with the management system implemented within the SANAS requirements

**Occupational Safety and Health Administration:** Laboratory health risk assessment, evaluation, monitoring and control or elimination. Peer educator on drug and substance abuse.

**Kenya National Accreditation Service (KENAS) Assessor:** Carry out assessment according to ISO 17025:2017.

**Deputy Head of the microbiology Laboratory Nairobi:** Assistant to the head of the laboratory in carrying out the function of the laboratory to achieve its mandate. In the absence of the head of the laboratory, I represent the head of the laboratory.

**Change management champion representing testing:**

Appointed as a departmental representative to communicate to and from the testing staff and the management the identified risks, opportunities, mitigation measures and support change management at the departmental level.

**Certified with recognized competence in auditing against ISO**

**22000:2018** by the KEBS certification body. I carry out audits and training on behalf of CB and NQI, to determine the compliance, ensure safety and quality of products and services.

## EXPERIENCE

March 2016 - Current

PRINCIPAL LABORATORY ANALYST MICROBIOLY  
LABORATORY, KENYA BUREAU OF STANDARDS | NAIROBI,  
KENYA

- Provided advice to legal department and technical advice on the test reports results in court. Technical committees' member (KEBS/TC 018, KEBS/TC 016, KEBS/TC 014) as an expert on measurement and testing matters and I am technical signatory to SANAS according to ISO 17025.
- Coordinated implementation, monitoring, evaluation and improvement of the Management Systems ISO 17025 in the Microbiology laboratory for ensuring efficiency and maintenance of accreditation.
- Coordinated implementation of the Risk Management Framework in the microbiology laboratory to ensure mitigation against the negative effects of risks reducing incidents of fire in the laboratory and take advantage of opportunities (better understanding of KEBS policies and procedures).
- Researched and developed method for analysis of *vibrio spp* in fish, probiotics in dairy, *Staphylococcus aureus* and *pseudomonas aureus* in cosmetic. Participated in the DuPont project on dairy products shelf- life and milk preservation the project was funded by UNIDO
- Executed the technical assessment by SANA and internal audits in the microbiology laboratory in line with ISO 17025: 2017 standard requirements and laboratory documentations.

- Implemented protocols for undertaking provision of the EA PT scheme, testing and training laboratory analysts to address emerging complex testing issues in the microbiology laboratory.
- Evaluates and advises on client test requests with an objective to meet customer requirements and fulfilment of departmental objectives and handling customer complaints.
- Implemented proper utilization of laboratory resources to ensure efficiency and well coordination of various sections within testing department. Maximizing utilization of LIMS.
- Maintained laboratory efficiency with well-organized supplies (reorder levels) and scheduled equipment maintenance and calibration.
- Coordinates implementation of Testing services policies and strategies in the assigned section in order to safeguard health and safety of Kenyans
- Coordinates implementation of testing protocols in the assigned section based on international measurement best practices
- Supervised implementation of laboratory safety programs through customization of national guidelines (OSHA Occupational Safety and Health Administration, risk assessment of each lab task)
- Supervised the implementation of safety policy to ensure a safe work environment and workforce in the microbiology laboratory.
- Applied appropriate analytical methods to solving national, regional and global challenges in relation to microbial food quality and safety. *Listeria monocytogenes* in dairy products in Kenya.
- Rapid methods and use of chromogenic media in pathogen detection.
- Implemented official controls in the mitigations of the risks of impartiality and communication in the laboratories.
- Analysis of sugar, cosmetics and disinfectants samples for quality and safety of the consumer and fair competition.

## EDUCATION

- **MSc. Environmental Microbiology,**  
**On-going at Kenyatta University, Nairobi**
  - Research project on probiotics in yoghurt and development of the standard for probiotics in yoghurt
- November 2017  
Diploma in Microbiological Food Safety  
Copenhagen University, Copenhagen, Denmark
  - Detection and Control of pathogens in food products to ensure safety of the population.

- **BSc. Environmental Health Science**

**Kenyatta University, Nairobi, Kenya.**

- Monitoring the quality of water, food products and air to ensure safety of the people and sustainable development

- **Jomo Kenyatta University, Nairobi, Kenya**

**Diploma in Food Science and Post-Harvest Technology**

- Post-harvest management of food products handling and storage.
- Quality management system ISO 9001:2015. Implementation, auditing and training of the standard.
- Laboratory Quality Management System ISO 17025:2017 certificate number 309/08, NQI/2011/2470 implementation auditing and training of the standard.
- Internal Quality Auditing course 075/1819/09
- Best microbiological practice course 2006/056389/23
- Food Safety Management system ISO 22000:2005 NQI/842/2010
- Best Practice Statistical Method Validation for Laboratories.
- EDES, Food safety workshop on analysis *Listeria monocytogenes*, *campylobacter spp*, *E. coli 0157:7H*, *Clostridium perfringens* and *bacillus cereus*
- Environmental management system according to ISO 14001:2004 152/NQI/2014
- Quality Management System Training of Trainer 530/NQI/2014
- Information Security Management System ISO 27001:2013 2883/NQI/2015 an implementer in ensuring safety of record, documents and test reports using LIMS
- Laboratory Waste Management UNES/2016/17/0793
- Basic Investigation Course 13610
- Environmental Health and Safety EHCL/KBS/EHS/023/13-16/3/2017
- Basic First Aid Training EHCL/KEBS/BFAT/025/18-21/4/2017
- Method Validation and Uncertainty of measurement in microbiology MV00705-2017
- Kenya Quality Award KQA-2018-AS/45
- Membership of the National Quality Institute KEBS/NQI/M/PER/275
- Personnel Certification by the Kenya Bureau of standards Certification Body, with recognized competence in auditing against ISO 22000 Food Safety Management Systems-Requirements KEBS/PC/194-FSMS-A ID No. 20175180
- Trained certified laboratory analyst, technical signatory for microbiology laboratory accredited by SANAS

## **REFERENCES**

Dr. Henry Rotich  
Director Testing and Metrology  
Kenya Bureau of Standards  
P.O Box 47100-00100  
Nairobi, Kenya.

Mr. Clarkson Agembo  
Manager microbiology laboratory  
Kenya Bureau of Standards  
P.O Box 54974-00200  
Nairobi, Kenya.

Professor Paul Okemo  
Dean School of Pure and Applied Science  
Kenyatta University  
P.O Box 47100-00100  
Nairobi, Kenya.

