Ngahu Alex P. Kamau

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1. Objective

To apply knowledge and skills acquired from my academic and career paths to manage, develop and improve manufacturing units, products, processes and resources for efficient operations and designed outputs. This pledge and commitment ensures full benefit of engaging institution, personal growth and career satisfaction.

2. Skills & Training

(i) Food Safety Management Systems; FSSC 22000, implementation and auditing.
(ii) Quality Management Systems; ISO 9001, implementation and auditing.
(iii) Product research & development – pharmaceuticals, food, cosmetics, cleaning and hygiene
(iv) Quality Assurance, including management of laboratory analysis, development and implementation of QMS and linked external processes
(v) Regulatory compliance statutes and standards
(vi) Ingredient supplier development, management and auditing
(vii) Process improvement systems (such as KAIZEN) and Problem Solving Methodologies
(viii) People Development
(ix) SAP System – Technical & Production Modules

3. Experience

2018 Aug to Date: CONSULTANCY – Product and Process Development & Improvements.
Working with four local establishments (Equatorial Nut Processors, Vega Foods, Sheth Naturals, Zuberi and Karembou Spa) in product development, establishment and start-up of manufacturing set-up and statutory compliance of new products.

Outstanding activities in Consultancy Work

(i) Formulation and Re-formulation of Sheth Naturals. Total of 10 Hair Care Products already in the market with high consumer preference.
(ii) Completed Product Development for Karembou Spa, from formulation to first commercial batch of five spa products.
(iii) Product Development for hygiene products for 2 start-up companies.
(iv) Advanced stage for Zuberi product range.

2009 Sep. to 2018 Aug: NESTLE EAR (Equatorial African Region) – Nairobi

1. **2009 to 2010**, Regional Quality Specialist/Supplier Quality Specialist reporting to Regional QAM.
2. **Jan 2011**, EAR Globe (SAP) Template Implementation core team as a Manufacturing Stream Lead for 4 factories in EAR (Nairobi, Harare, Tofa and Kinshasa)
3. **March 2012**, Appointed Quality Assurance Manager for Nestle Kenya factory in Nairobi.
4. **November 2015**, Appointed Regional Food Safety Manager for Nestle EAR in charge of 4 factories.

As a Food Safety and Quality Assurance Manager, main purpose of my job is to ensure that the Nestle Food Safety and Quality Management Systems are consistently applied throughout the

factories and other units in the value chain under. The function is the guardian of food safety and compliance and challenger of all other functions to drive continuous excellence in pursuit of zero defect as a base for maintaining consumer trust.

Key outputs of my job measured in;

(i) People and Know-how: Develop and maintain competence and quality awareness and commitment to zero defect in the factories.

(ii) System Design: Setup, manage, enforce and maintain the Nestle Food Safety and Quality Management System as well as establishing the operating food safety and quality manuals.

(iii) Laboratory Methods and Practices: Ensure correct functioning of factory laboratory, including personnel safety, availability of equipment and training of technicians. Ensure adequate analytical competence to perform required analyses and adequate monitoring of rapid methods.

(iv) Hygiene: Ensure adherence to good hygienic practices in the factories. Ensure correct implementation and supervision of the factory pest management program.

(v) Food Safety and Quality Auditing and Verification: Manage internal auditing programs, assessing performance of food safety and quality system, reporting their effectiveness to the management and proposing actions for improvement. Participate in supplier auditing scheme.

(vi) Continuous Improvement and Root Cause Analysis: Ensure the monitoring of key food safety and quality parameters by means of statistical process control in order to drive structured root cause analysis and continuous improvement in the quest for zero defect. Lead the factory in management review of quality (MRQ)

(vii) Compliance: Maintain full compliance of products.

(viii) Training: Promote food safety and quality awareness across the company. Assist in training for factory personnel and contractors.

Outstanding activities in Nestle

(v) Implementation of food safety and quality programs – ISO 9001:2015 and FSSC 22000 v4.

(vi) Food safety improvements in the factories for prevention of foreign body and infestations

(vii) Factory QA Manager, implementation of FSSC 22000 for Nairobi Factory.

(viii) Regional Quality Specialist, implementation and certification for Nestle Quality Management System (NQMS) and FSMS (ISO 22000) for Harare and Nairobi Factories.

(ix) As the Regional Supplier Quality Specialist, I started the regional system of managing local and imported material suppliers that lead to full implementation of the new Nestle vendor management guidelines.

(x) I was the manufacturing stream lead for the implementation of Globe SAP for the 4 EAR factories (Nairobi, Harare, Tofa and Kigabua). All the 4 factories successfully went live with SAP in January 3rd 2012.

(xi) Material Purchasing Specification management process for EAR. Training, loading existing specifications in SAP and establishing the author to approver specification workflow for all materials used in EAR. Due the successful management of this process, for 4 years, I remained the final specifications approver for materials used in the 4 Nestle EAR factories.

2002 Nov. to 2009 Sep: HACO INDUSTRIES (K) LTD Kasarani – Nairobi

QUALITY ASSURANCE / RESEARCH & DEVELOPMENT MANAGER

Haco industries (K) Limited is a large local organization dealing with FMCG (Fast Moving Consumer Goods) among them BIC Pens, PALMERS skin care, TCB hair care, MIADI hair care and a wide

range of Cleaning and Hygiene products including SO-SOFT fabric softeners & JEYES BLOO toilet cleansers.

As a Quality Assurance / Research and Development Manager main work is to champion the technical aspects of product development and manage the operations of the Quality Assurance function. Key activities and responsibilities include;

(i) New Products Development; Develop new product formulas as per marketing briefs, carry out laboratory trials, consumer tests, prepare necessary manufacturing documents, specifications, test procedures, costing BOM's and advice marketing on the innovative aspects, applicable trade statements and claims.
(ii) Develop alternative source for raw materials (Sourcing optimization and profit protection).
(iii) To develop stability test programs and define appropriate shelf life for all products
(iv) To develop new suppliers and packaging components thereof such as labels, cartons, bottles and jars that meet technical requirements alongside marketing and logistics requirements.
(v) Carry out bench marking tests of existing and new products against leading brands to establish areas of improvements on Haco manufactured products.
(vi) Manage Quality Assurance to ensure that quality is built into products through quality material procurement, manufacturing process, storage and distribution.
(vii) To ensure that Good Manufacturing Practices and Good Laboratory Practices are applied in all activities carried out in the Manufacturing and Quality Assurance Sections.
(viii) To develop Quality Management Systems (QMS) and Environmental Management Systems (EMS) in the company where none exist and review those that are inadequate.
(ix) To ensure proper controls on all QA supplies towards lowering the cost of analyzing products manufactured in cosmetics and detergents factory
(x) To ensure that products, processes, equipment and facility comply with various statutory and regulatory standards and requirements, and a report to be issued for each section with highlights of compliance and or non-compliance.
(xi) To represent the company in the development standards and other regulatory status to ensure protection of company interests in such forums held by Kenya Bureau of Standards (KeBS), Kenya Association of Manufacturers (KAM) and East Africa Standards Harmonization conferences held in Arusha – Tanzania.
(xii) Originating important technical documents e.g. S.O.P's, B.M.R's, Validation protocols, analytical control procedures, product and material specifications etc.
(xiii) Prepare product registration dossiers required by various registration bodies such as KeBS, Tanzania Food & Drug Authority, Pests & Control Board and ensure that all processes and documents are in-place for auditing by such bodies.

<u>Outstanding activities in Haco Industries (K) Limited</u>

(xii) Developed wide range of New Product Formulas in house hold and hygiene such as So-Soft Fabric Softener, Perfumed Ace Bleach, Sparkle Dishwashing Liquid, Ace Colors Bleach etc, Commercial cleaning aid such as degreasers, hand wash soaps and sanitizers, heavy duty detergents etc, Mass market hair care products – Miadi (Shampoos, Relaxers, Treatments, Conditioners, Styling Products, Specialized Pomades etc)
(xiii) Stability tests and shelf life determination for developed products.
(xiv) Sourced required materials for all NPD's and further carried out trials for new materials for the existing products which either improved the quality of the final product or reduced the cost of goods (sourcing optimization and profit protection).

(xv) From 2003, I engaged in strategic developed of local suppliers for packaging components by providing specifications, performing on-line approvals and constant interaction with the supplier representatives. This reduced the rejections on delivered components, improved quality thus reducing on-line rejections the totality of these activities greatly improved Haco-Supplier relationship and the company gained better terms of trade, consistent and regular / scheduled deliveries and consistency in components quality.

(xvi) Leader of the environmental working committee, organized for training of the internal auditors, coordination with the lead auditor in the baseline audit and consequently carrying out of the environmental self audits, preparation of the report and submission to NEMA in time for three years running now. Also prepared and submitted Haco Industries (K) Ltd application for the waste water license in May '08.

(xvii) Developed a Quality Assurance Manual for Haco Industries (K) Ltd.

(xviii) Effectively represented the company in technical committees for the development of Kenya Standards at KeBS, Harmonization of East African Standards in Arusha & Environmental/Standards committee at KAM.

(xix) Carried out supplier audits which included external laboratory – KIRDI. Such reports were used in determination of tender awards for various components and determining who will become our main supplier and who we retain as alternative supplier.

(xx) Training of the support staff in various manufacturing aspects including GMP.

July 1998 to Nov. 2002 IVEE AQUA EPZ LTD EPZ Athi River, Kenya

ASSISTANT PRODUCTION MANAGER

IVEE AQUA EPZ LTD is a pharmaceutical firm situated in Athi River Export Processing Zone manufacturing Water for Injections, Sterile ophthalmic solutions, Ear and Nasal preparations using the state-of-the-art Blow-Fill-Seal technology for parenteral solutions and other sterile dosage forms.

I worked as a senior chemical / microbiology Laboratory Analyst for one year after which I was promoted to Assistant Production Manager working under Company Pharmacist. In this capacity key activities and responsibilities included;

(i) Planning and execution of production activities
(ii) Supervisory work and enforcing GMP during all production activities
(iii) Analytical work and validation of essential equipment and production processes
(iv) Product formulation, assessment of their stability within their shelf-life
(v) GMP training to personnel and support staff
(vi) Preparation of important technical documents e.g. registration documents, S.O.P's, B.M.R's, validation protocols, analytical control procedures, product spec's etc.

<u>Outstanding activities in IVEE AQUA EPZ LTD</u>

(i) Involved in development Eye, Ear and Nasal Drops formulations, stability and packaging.

(ii) I prepared drug registration documents for over 10 countries around Africa.

(iii) Writing of S.O.Ps (Standard Operating Procedures) for all operations.

(iv) I improved the BMR to required pharmaceutical manufacturing format.

(v) Carried out validation of aseptic process and equipment

(ii) I made the initial graphic designs of some of our labels and unit boxes.

(iii) I actively helped in several external audits from various marketing authorization bodies like NDA –Uganda, MCAZ – Zimbabwe, SAN FRONTIERS – France, FOOD & DRUG BOARD – Ghana, Tanzania Pharmacy Board GMP audit, ICRC GMP Audit and PHARMACY & POISONS BOARD- Kenya.

June 1997 to July 1998 **LAB AND ALLIED LTD. Mombassa Rd – Nairobi**

PRODUCTION/PROCESSING CHEMIST IN STERILE DEPARTMENT

LABORATORY AND ALLIED LTD. is a local pharmaceutical company manufacturing a wide range of pharmaceutical and veterinary products. The sterile department produces various liquid injectables, sterile Eye/Eardrops, Ophthalmic Ointments, Creams, Sterile Surgical Dressings as well as Dry Powder filling for both penicillin's and non-penicillin Drugs.

As a production chemist,

(i) I was responsible for acquiring required raw materials from the stores, labeling and packing of processed product batches.
(ii) Perform or oversee compounding of liquid injectables, ointments and creams, mixing/blending of powders, veterinary preparations etc
(iii) Supervise operations such as cleaning and sterilization of the components such as vials, rubber stoppers and aluminum caps, glass ampoules etc.
(iv) Supervision of the filling operations for glass ampoules, vials, collapsible tubes and sachets.
(v) Ensuring all the filled units are visually inspected before labeling and packing.
(vi) Enforcing GMP (Good Manufacturing Practices), during all the production activities.
(vii) I was responsible for department personnel supervision.
(viii) Carried in-process checks during manufacturing processes of sterile products
(ix) Handling of BMR's from material acquisition to products transfer.

1997 (Jan to April) SMITHKLINE BEECHARMS **Ind. Area – Nairobi**

GRADUATE STUDENT INTERNSHIP

I worked in SmithKline Beecharms International on graduate student internship terms in Quality Assurance and Technical Services departments.

4. Education

1993 – 1996 JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY (J.K.U.A.T.)
Bachelor of Science (BSc)
Biochemistry/Chemistry (Second Class Honors)

5. Referees

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