

JUBYMAR ABAPO MABUTO

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SKILLS

Technical

- ISO 17025 knowledgeable and experienced in implementation
- Laboratory equipment/calibration: UV/Vis spectroscopy, photometer, pH and conductivity meter, measuring and titration instruments, furnace oven, balances/scales, laboratory glasswares, etc.
- GBC AA, Jenway Flame photometer, Hach Spectrometer (DR 5000, DR 3900), ICP-Optical Emission Spectrometer (ICP-OES)
- Regular check-ups/calibration and maintenance of laboratory equipment in compliance with ISO 17025.
- Created userforms using VBA excel code programs
- Well versed in using MS Word, Excel, PowerPoint.

Laboratory

- Preparation, extraction, digestion and processing of samples for metals analysis by spectrometry, analysis of physico-chemical parameters (water, soil, and rock)
- Conduct analytical works on concrete materials, soil, water (all industries), rock, construction aggregates, cement and other cementitious material, reinforcement steel, oil and petroleum product, other materials

Quality Control

- Quality assurance, supervision, control of raw material, reagent, development of chemical methods appropriate to requirements
- Responsible for the quality of the production, measurement of production samples to harmonize production quality with preset standards
- Accordance with the Operations Standard Procedure (ASTM, BS, SASO, AWWA, APHA, USEPA)
- Statistical Review

Team Management

- Team Leader, Initiative,
- Coordinate government regulatory agency for compliance of chemical procurement
- Train on-going support to staff regarding new method.
- Initiate and provide analyst proficiency testing in schedule basis
- Contribution to the safe, well organized and efficiency functioning of the laboratory
- Participating in internal audits (as auditor and auditee)
- Organize, assist and participate in planning of start-up field laboratory
- Provide technical review and assessment of clients

Personal Skills

- Competent in lab environment: testing, troubleshooting, problem solving, and client interface.
- Analytical, dedicated and motivated (using new technique and method)
- Sense of responsibility, ability to work independently without being constantly supervised
- Punctuality, reliability and efficiency in work
- Ability to easily integrate in new job environments, to make suitable changes so as to fit new conditions if deemed necessary
- Make sure that things are done accurately, correctly and exactly

PROFESSIONAL EXPERIENCE

**August 2020 –
June 2013**

Riyadh, Saudi
Arabia

Omar Al Jazzar
Consulting
Engineers,
Chemical
Department

Chemist / Assistant Lab In-charge / Radiation Protection Officer

Laboratory accredited to **ISO 9001:2008 & ISO/IEC 17025:2015**

- Verification and cost analysis of testing method; physico-chemical analysis of material; Calibration of testing instruments; Quality Control
- Conducts site quality inspection, sampling, and assessment of designated work. Make independent decision as far the data are concern, sales and services with management
- Accurate and timely reporting of results both internal and external regional branch client
- Plan and design of branches site chemical lab
- Responsible for and oversee the analyses of the following:
 - **Metal** composition analysis using Optical Emission Spectrophotometer (OES) using JB-750 Spark OES
 - **Water:** Quality testing and assurance of Government/Municipal Water – Ministry of Transport, Ministry of Health, SWCC, National Water Company (AWWA, USEPA).
 - **Rock/Quarry Materials:** ASTM C25, ASTM D146, ASTM C1271, etc.
 - **Wastewater / Sewerage Water:** Sewage Treatment Plants, Drinking, Boilers, Agricultural, RO Plants, Laundry, and hospital process water. (Chemical properties of water, COD, BOD, DO, Solids-TS, TDS, TSS, MLSS, MLVSS, FS/VS, SS, SV30, SVI, etc according to APHA)
 - **Concrete materials:** Cement (ASTM C50, ASTM C114), Type of Cement (ASTM C50, BS 1881 Part 124), Admixture (ASTM C494), Aggregates (BS 812, ASTM C289, ASTM C40), and Water (ASTM) for concrete use.
 - **Pozzolanic Materials:** Micro Silica, Fly Ash (ASTM C 618, ASTM C114)
 - **Soils** (BS 1377 Part 3) : Agricultural, Construction
 - **Steel** (ASTM C615) composition analysis using Optical Emission Spectrophotometer
 - **Raw Silica Material:** Suitability for Glass Manufacturing
 - **Heavy Metal Analysis:** AAS and UV-Vis spectrophotometer Techniques
 - Sodium, Potassium, Lithium, and other Alkali metals analysis using Flame Spectrophotometer

**July 24, 2013 –
November 26,
2007**

Leyte, Philippines
**Hideco Sugar
Manufacturing
and Refining
Corporation**

Quality Assurance Staff Supervisor

Laboratory accredited to ISO 9001:2001

- Train analyst, technician, and staff on update and technical theory of sugar monitoring. Conducts analyst proficiency test
 - Initiate calibration of instruments, glassware, scales, etc.
 - Collaborate and participate in internal quality audit on both production and administration
 - Ensure all procedures and functions performed within the laboratory adhere to the prescribed standard, methods, and protocols
 - Prepare the laboratory equipments and maintain stock of required chemicals and apparatus, necessary for every milling and refining season
 - Customized raw material analyses, evaluation and product testing
 - Conduct and investigate various analytical research or study and applications related to final product quality improvement.
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- Attended customer complaints, reviews, and recommends appropriate remedial action, and submits periodic report to the management.

Quality Control Chemist

- Conduct quality analysis monitoring hourly of process materials and raw products.
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- Prepares chemical reagents and perform calibration of instruments, glassware, scales in supervision with the Quality Assurance Staff

**October 29, 2006
– August 03,
2004**

Leyte, Philippines
**Pulp Specialty
and Paper Co.**

Raw Material Chemist, in the laboratory of

- Classify and rate abaca fiber raw materials as per government regulatory.
- Conducts strict inspection procedure for fiber materials and provide certification which saves company from non-conforming raw materials thru price adjustments.
- Monitors of all process lines, which includes pulp and water lines. Implements strict product inspection during process and warehousing.

**August 2004 –
April 2002**

Leyte, Philippines
**ZI-TECHASIA
(Pilipinas) INC**

Area Supervisor / Laboratory Technician, Incharge

Lead with competent personnel with long experienced in water treatment solutions. Engage chemicals from DREW Chemicals of Ashland. The account plant happened to be the largest electricity generated in the world under one power

- Responsible for the operation of Company in these geothermal plants
 - Conducts daily water analyses of cooling and reinjection well water.
 - Provides corrective actions for the problem to Plant Manager, Engineer, and technical manager.
 - Coordinates technical solutions to the concerns to extend the lifespan of materials and effectively reduce maintenance cost.
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- Increases chemical sales generation and on time payment collection

RESEACH AND STUDY CONDUCTED FOR THE COMPANY

- "A Case Study - Deterioration of Raw Cane and Refined Sugar Stored in HISUMCO Warehouse"
- "Boiling House Clarification Process Using Flocculant (Floclar 300) on Process Juice and Flash Tank Efficiency"
- "HISUMCO Sugar Process: Review of Operation and Common Quality Problems (Dusty, Sticky, and Caking)"

PROFESSIONAL LICENSED / AFFILIATION

Saudi Registered Radiation Protection Officer (RPO)

PRC No.: 2787

Nuclear and Radiological Regulatory Commission
Riyadh City, Kingdom of Saudi Arabia

Registered Chemist

PRC No.: 11373

Professional Regulation Commission
Manila City, Philippines

EDUCATIONAL BACKGROUND

Bachelor of Science in Agricultural Chemistry

Visayas State University
Leyte, Philippines

PERSONAL BACKGROUND

Born : March 17, 1980

Residency : Baybay City, Leyte, Philippines 6521

Status : Married