

Holds a B. Sc. in Chemistry & Microbiology and has about 14 years experience working as Analytical and QC Chemist in water treatment industry both in operations and lab testing regulating standards in relevant sectors like drinking water, wastewater, hemodialysis, boilers, chillers and pharmaceuticals water.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Currently KSA

EDUCATION

: B. Sc. in Chemistry & Microbiology, Assiut University, 2006

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Integrated Management System (ISO 9001:2015 & ISO 14001:2015 & ISO 45001:2018) - Alison.
- : Advanced Diploma in Wastewater Treatment and Recycling – Alison.
- : Introduction to Household Water Treatment and Safe Storage – Coursera.
- : Foundation of GMP: Water Systems (US Pharmacopeia).
- : An Introduction to Good Lab Practices GLP (Alison).
- : Municipal Solid Waste Management in Developing Countries – Coursera.
- : Lean Six Sigma Foundations – LinkedIn.
- : Become a Project Manager – LinkedIn.
- : Verified Certificate for Water: Addressing the Global Crisis – edX.
- : Foundation of GMP - US Pharmacopeia.
- : The COSHH Risk Assessor Certification™ - The Knights of Safety™ Academy.
- : GEF IW: Learn International Water Management Course – Cap net – UNDP.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2018 till now
Employer : Sraco
Project : Tayma General Hospital, KSA
Job title : Quality Control Chemist
Job Description :

- Supervision for water quality in whole hospital departments by assuring the well functionality for water systems components.
- Determination of physicochemical properties as temperature, pressure, conductivity, flow rate, Product rate, TDS, PH, total chlorine and hardness.
- Supervision in taking samples for microbiology tests as Total Coliform and Endotoxins to examine it in recommended labs by Saudi MOH.
- Estimation Quality of RO unit by Monitoring salt rejection and permeate flow values and regulations to prevent scaling and fouling formation.
- Regulating periodic preventive maintenance schedule as prescribed in contract and appropriate corrective action when any fault happened.
- Following hemodialysis water treatment regulations according to ANSI/AAMI: ISO 13959 and Saudi MOH regulations.
- Recommend and prepare of chemical dilutions used in cleaning, disinfection for medical devices.
- Supervision for chemicals used in boiler and HVAC system.
- Recording and making data sheets and charts for hemodialysis water unit.
- Awarded certificate of recognition from Tayma General Hospital, Tabuk region in participating with them to achieve Accreditation from Saudi Board CBAHI.

Dates : From Apr. 2013 till Jul. 2018
Employer : ARAB Contractors Company for Facilities Management
Project : Banha WWTP 70.000 m³/day, Egypt
Job title : Assistant Manager
Job Description :

- Provide technical information and maintain complete and accurate records regarding water treatment and water quality; resolve questions and complaints concerning water quality.
- Supervise employees in sample collection, review results to ensure Environmental Protection requirements are met, direct and coordinate activities and personnel within division, assign work programs, inspect work in progress and upon completion.
- Inspect treatment plant and pumping stations for proper operation; assess needs of these facilities.
- Assist in scheduling for periodic preventive maintenance and corrective maintenance for fault devices in laboratory and plant unit.
- Supervision for chemical safety and hygiene for plant personnel.
- Evaluation for suppliers' quotations to choose appropriate offers.
- Attend meetings with contractors, engineers, and management.
- Perform laboratory tests to assure water quality is consistent with Local requirements and regulations.
- Enhance in achieving monthly extract from supervision authority.

Dates : From Jul. 2009 till Apr. 2013
Employer : ARAB Contractors Company for Facilities Management
Project : Helwan WWTP 550,000 m³/day, Egypt
Job title : Analytical Chemist
Job Description :

- Analyze samples of streams, raw and treated wastewater, sludge, and other byproducts of wastewater treatment process to define efficiency of plant processes to make sure that plant effluent meets water pollution control requirements, using standard laboratory equipment's.
- Perform routine, complex and special chemical, physical, bacteriological, and related laboratory tests on samples of wastewater, various plant processes and final plant effluent.
- Process tests including analyses of activated sludge, mixed liquor, sludge digestion units, industrial wastewaters, and receiving water monitoring; as well as dissolved oxygen, biochemical oxygen demand, chemical oxygen demand, ammonia, and total coliform and fecal coliform.
- Conduct tests for settleable solids, suspended solids, total solids, volatile solids, volatile acids, alkalinity, pH, turbidity and other substances.
- Filter and weigh samples in preparation for further laboratory analysis.
- Prepare and maintain stock standards, working standards, reagents, microbiology media, and chemical solutions.
- Assist in sampling schedule, chemical supply and specification for new devices.
- Utilize wide variety of lab equipment's including Atomic Absorption Spectrometer and Spectrophotometer.
- Ensure all data quality objectives are met by following established procedures, methods, and regulations to prove validity and quality of sample test results.
- Calibrating Laboratory instruments to ensure readings results.
- Prepare scheduling for periodic preventive maintenance for lab devices.
- Assist in preparing written reports and checking daily records.

Dates : From Dec. 2008 till Apr. 2009
Employer : Faragalla Food Industries, Alexandria
Job title : Production Chemist
Job Description :

- Inspect the incoming raw milk, packaging materials and intermediate and auxiliary material and chemical to produce standard quality Products of the company.
- Collect samples as per the schedule and perform essentials physical and chemical quality parameter and other required test for different elements and ensure proper recorded, using standard quality measurement of products.
- Controlling and supervising production process of Dairy products.
- Check and confirm standard quality of finished product.

Field of experience :

- Awareness about:
 - ISO 9001:2015.
 - ISO 14001:2015.
 - ISO 45001:2018.

- ISO 17025:2017.
- GLP & GMP.
- Chemical Safety.
- Water, Wastewater, Reverse Osmosis.
- Waste Management.
- Environmental Management.
- Testing samples and specimens.
- Analyzing test results.
- Safety protocols.
- Lab equipment calibration.