

Mustafa Ahmad Ismail

Contact Details

Email: ma.ismail389@gmail.com

Mobile: +2 010 999 57 696

Personal Information

Date of Birth: 3rd March 1992

Nationality: Egyptian

Marital Status: Married

Military Status: Finished

Address: Nasr City, Cairo

Profile

My working experience and academic background have given me valuable insight into Geotechnical engineering “Site works, Laboratory works & evaluating process” and Drafting engineering, in addition to practice working with international standards in different countries “Saudi Arabia & Egypt”.

Education

BSc. in Science Petroleum Geology and Natural Gas, *Suez University, Suez, Egypt. (2009-2013)*

- **Graduation Grade:** Good.
- **Graduation Project:** Porosity and Permeability of Sedimentary Rock, with a grade of excellent.

Professional Experience

January 2016- To date

- ◆ **Senior Chemist**, *SUEZ International, Cairo, Egypt*, “*Industry: WWTP-Gabal El Asfar-stage 2 phase 1 (contract 19)*”, since 2019.
- ◆ **Lab Chemist**
 - Coordinate and perform chemical, physical, and bacteriological analysis of water and wastewater on schedule using the Standard Methods methodologies to determine regulatory compliance.
 - Responsible for Preparing standard solutions and calibration of all devices of laboratory work.
 - Ability to perform different analysis tests (BOD, COD, TSS, MLSS, SLUDGE analysis, TAC-water, TAC-sludge, PH, R.O analysis, Oil and Grease, MICROBIOLOGY analysis)
 - Interpret and evaluate analytical results, determine reasons for problems and recommend corrective measures and report findings as required.
 - Investigate and analyze customer water Quality complaints, communicate, and report findings.
 - Assist in the development and implementation of the laboratory's Quality Assurance and Quality Control standards.
 - Coordinates the maintenance, and repair of all lab equipment, and its cleanliness, and fills the corresponding log sheets.

- Ensure analysis results conformance with government regulations, policies, and contractual limits.
- Follow-up Extra analysis and double-check analysis with NRC.
- Provide lead direction and review work for laboratory technicians and less experienced staff.
- Contribute to chemical reagent preparation according to standards.
- Assist with the training of less experienced staff in developed methodology, instrumental analysis, and related work procedures.

August 2015 – December 2015

◆ **Soil Investigation Engineer, Active Brain Consultant Group, Cairo, Egypt.**

- planning detailed field investigations by drilling and analyzing samples of deposits/bedrock.
- supervising site and ground investigations.
- advising on and testing a range of construction materials, for example, sand, gravel, bricks, and clay.
- advising on problems such as subsidence.
- working in well site units, collecting, processing, logging, and analyzing geological samples.
- Monitoring all required tests “concrete, material, drilling.
- Managing all logistic operations on location.
- Evaluating detailed and complex data using various laboratory techniques.
- Predicting dangerous situations, such as over-pressured formations.
- Reporting back to the technical geologist in written reports.
- Prepare multiple versions of designs for review by engineers and architects.
- Specify dimensions, materials, and procedures for new products.

January 2015 – August 2015

◆ **Lab specialist, chemist, Madinah Municipality Laboratory for food and water analysis, AL Madinah, Saudi Arabia.**

- Collecting and Analyzing test results to classify products and compare results with standard tables.
- Computing moisture or salt content, percentages of ingredients, formulas, or other product factors, using mathematical and chemical procedures.
- Conducting standardized tests on food, beverages, additives, and preservatives to ensure compliance with standards and regulations regarding factors such as color, texture, and nutrients.
- Examining chemical and biological samples to identify cell structures, and locate bacteria, or extraneous material, using a microscope.
- Assisting higher-level technicians in the setup of laboratory equipment.
- Recording and documenting all test results according to the laboratory information system.
- Preparing results reports.
- Performing the experiments using the following equipment
 1. Gas chromatography-Mass Detector. GC-MS/MS
 2. Inductively coupled plasma. ICP-MS
 3. High-performance Liquid chromatography - HPLC
 4. Ion chromatography.
 5. Spectrophotometer (DR4000).

Courses

- **PMP** (Project Management Professional) HPA Academy (exam is in the process)
- **Chemical Handling and Dealing with Hazardous Material**, Internal Course- Suez International.
- **Leadership.** (Quest)
- **ISO/IEC 17025:2017** (Awareness for the accreditation against ISO/IEC 17025:2017 International Standard & Internal Audit).

Language Skills

Arabic: Native.

English: Good command of all aspects: reading, writing, speaking.