

Holds a B. Sc. in Chemistry / Microbiology and has 4 years hands-on experience working as Chemical Analyst in Lab.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/06/1993
Gender : Male
Marital Status : Single
Residence : Alexandria

EDUCATION

: B. Sc. in Chemistry / Microbiology, Alexandria University, 2015

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Power Point), Internet
: Data analysis (Challenger Track) by MS Excel

TRAINING COURSES AND CERTIFICATIONS

: Basics of Quality Control and Quality Assurance in Laboratories, Career Development Center and Entrepreneurship, Alexandria University (Jan./Feb. 2018).
: Terms of ISO 17025:2017, Tank Oil Group for Inspection and Testing (Apr./May 2018).
: Training course for Organic Elemental Analyzer (CHNS), Thermo Fisher Scientific Company, Milan - Italy (Sep. 2019).
: Six Sigma Green Belt, Productivity and Quality Institute, Arab Academy of Science (Feb./Mar. 2022).
: Estimation of Measurement Uncertainty in Chemical Analysis, Lifelong Learning Centre University of Tartu, Tartu - Estonia (Mar. - May 2022).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2018 till Mar. 2022
Employer : Tank Oil Group for Inspection and Testing

- Job title** : Chemical Analyst in Lab
- Job Description** :
- Implementations of ISO 17025 requirements and reporting to laboratory manager.
 - Write Working Instructions and supervise sample preparation technicians.
 - Research and development for new methods to reduce the limitations of current methods.
 - Carry out Chemical and physical analysis for the various types of cargo by wet and instrumental methods according to international standards like ISO, ASTM, AOAC...etc.
 - Types of Cargo that has been analyzed, including but not limited to the following:
 - Solid Fuel (coal, coke and Biomass):
 - ❖ Proximate Analysis.
 - ❖ Calorific Value.
 - ❖ Ultimate Analysis.
 - ❖ Hard grove grindability index.
 - Cement and Raw Material of Cement:
 - ❖ Free lime.
 - ❖ Elemental Analysis by WDXRF.
 - Water Analysis:
 - ❖ Basic Parameters (PH, Conductivity, COD, TOC, Acidity, Alkalinity, TSS, TSD, Hardness).
 - ❖ Minerals Test.
 - Animal feed staff (fodder, Beet pulp, Soya bean and additives):
 - ❖ Proximate Analysis (Moisture, Ash Content, Oil extraction, Crude Protein, Crude Fiber).
 - ❖ Minerals Test (Phosphorus, Calcium, Iron).
 - Edible oil:
 - ❖ Rancidity (Peroxide Value and Acid Value).
 - ❖ Iodine Number.
 - ❖ Minerals Test (Phosphorus, Sulfur).
 - Fertilizers (Rock phosphate, urea, Ammonium sulphate and Super phosphate):
 - ❖ Moisture.
 - ❖ Minerals Test (Phosphorus, Nitrogen, Iron, Calcium).
 - ❖ Physical Test (Bulk Density, Sieve Analysis).
 - ❖ Trace Organic Compound (Formaldehyde, Biuret).
 - Soap Bars Analysis:
 - ❖ Quality Tests (Total Fatty Matter, Total Alkalinity, Soluble and Insoluble matter).
 - ❖ Chloride.
 - Ores Analysis (Direct reduced Iron, Zinc powder dust):
 - ❖ Iron (Total, Metallic, Ferrous).
 - ❖ Zinc.
 - Liquid Hydrocarbons and Organic Solvents:
 - ❖ Density.
 - ❖ Acid Value.
 - ❖ Ash.
 - ❖ Water extraction.
 - ❖ Sulfur.

- Apparatuses that have been used:
 - Thermo flash smart 2000 CHNS analyzer (GC).
 - WD-XRF Rigaku Supermini 200.
 - IKA C6000 Calorimeter.
 - Agilent Carry 60 UV-VIS Spectrophotometer.
 - PG Double Beam T80 Spectrophotometer.
 - Lovibond Spectrophotometer for Water Analysis.
 - Anton Parr Density Meter.
 - Mettler Toledo Karl Fisher.
 - Mettler Toledo Moisture Analyzer.
 - Leco S832 Sulfur Analysis (IR Detector).