

Holds a B. Sc. in Chemistry & Physics and has about 8 years hands-on experience working as Chemist.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 29/04/1987
Gender : Male
Marital Status : Single
Residence : Kafr El-Sheikh

EDUCATION

: B. Sc. in Chemistry & Physics, Ain Shams University, 2009

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

: Certified and trained "User of Radioactive Sources" from Egyptian Atomic Energy Authority, Cairo.
: Training on water treatment by Expert Academy, Cairo.
: English: IELTS score 6.5 out of 9 from British Council.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2015 till now
Employer : Oriental Petrochemicals Company
Project : Polypropylene Plant, Suez
Job title : Laboratory Chemist
Job Description : QC lab (testing the raw material and final products of polypropylene industry).
Instruments and techniques:

- Gas Chromatography (Agilent GC 6890):
 - Propylene Gas components: Purity, S, CO, O2 and other organic

- impurities.
- Nitrogen unit samples: O2.
- Hydrogen unit samples: O2.
- Troubleshooting instrument errors.
- Troubleshooting peak errors due to integration, shifting, etc.
- Shaw dew point meter: Moisture analysis of Propylene and Hydrogen, instrument calibration and troubleshooting.
- X-Ray Fluorescence (XRF) (PANalytical): Analysis of catalyst residue (metals) and polymer inorganic additives.
- UV spectrometer: water analysis.
- HACH DR/2000 spectrophotometer: water analysis.
- Tinius Olsen Melt flow indexer: measurement of melt flow rate (ASTM D1238) and other melt properties, troubleshooting software or hardware errors of the instrument.
- Gravimetric measurement of atactic polypropylene using Xylene solubles method (ASTM D5492).
- Working with ARBURG injection molding machine for sample preparations.
- Instron: measurement of polymer tensile properties (ASTM D638) and flexural properties (ASTM D790).
- Measurement of PP filterability using laboratory extruder.
- Evaluating new polymer additives using laboratory scale extruder and performing all tests, giving advice and recommendation to the management.
- Carrying on physical tests: Pellet size, average particle size (APS) and bulk density.
- Measurement of yellowness index using BYK Gardner instrument.

Dates	:	From Mar. 2011 till Aug. 2015
Employer	:	Galaxy Chemicals Egypt, Suez
Job title	:	Production Chemist
Job Description	:	<ul style="list-style-type: none"> • Manufacturing of CAPB used as raw material in detergents. Using distributed controlled system (DCS), Emerson DeltaV as well as from field. • In-depth field experience with good knowledge of pumps, valves, MOC's, heat exchangers, distillation, filters, piping, tank farm, instrumentation, insulation, supports and basic troubleshooting and PM to prevent equipment failure. • Ensuring equipment health by logging all field parameters in equipment health check (EHC) file on shift basis, to avoid and reduce plant down time. • Basic knowledge of utility units, thermic fluid, N2 Generator, RO, Boiler, cooling tower and chiller. • JISHU HOZEN (Autonomous maintenance), exposure to Kaizen and process re-engineering. • Leading technicians and operators to manage production in all stages from raw materials charging till packing of finished product. • Checking stocks and reporting need of chemicals according to production plan. • Participate in developing production process to achieve the best quality in lowest cost.