

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.

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