Holds a B. Sc. in Special Chemistry and has about 8 years experience working as Operation / Laboratory / R&D Chemist.

PERSONAL DATA

:	Egyptian
:	14/08/1993
:	Male
:	Single
:	Beni Suef
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EDUCATION

: B. Sc. in Special Chemistry, Al-Azhar University, 2015

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Access, Power Point), Internet
- : Adobe Creative Cloud programs (Photoshop, Illustrator, Premiere Pro and After Effects)

TRAINING COURSES AND CERTIFICATIONS

- : Conducted training course on Laboratory Instruments: Atomic Absorption Spectroscopy, Ion Chromatography, Turbidimeter, Bomb Calorimeter and SDI.
- : Design of desalination plants using "Toray" Membrane software.
- : Heat circuits system Advanced track with Horizon Academy.
- : English course in Berlitz.
- : Quality Assurance from CAME Organization.
- : Effective communication skills from Dale Carnegie Organization.

CHRONOLOGICAL EXPERIENCE RECORD

Dates :	From 2018 till now
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Employer : Veolia Water Technology

Desists	South Holwon Superaritical Dower Diant 2x650MM
Projects	 South Helwan Supercritical Power Plant 3x650MW Assiut Supercritical Power Plant 1x650MW
	 Cairo West Supercritical Power Plant 1x650MW
.lob title	
Job title Job Description	 Operation Chemist Follow up the operation and maintenance of all (online analyzers) of SWAS (Steam Water Analysis System) as pH, Conductivity, dissolved oxygen, ORP, Silica, Iron and sodium analyzer for the 3 units. Prepare all reagents and stander solutions required for the analyzers and performing all the calibration procedures for these in the three boliers. Perform operation activities of ultra-filtration (UF), reverse osmosis (RO), Mixed bed (MB), condensate polishers (CPP), waste water system, oily water separator, sewage water system, boiler chemical feed system, oily water separator, sewage water system, boiler chemical feed systems, chlorine gas feed system and potable water. Follow up the operation and regeneration of three Condensate Polishers System and Mixed Bed system. Follow up the operation and maintenance of all analyzers as pH, Conductivity, Turbidity, ORP, Silica, Residual Chlorine, Sodium and iron analyzers. Performing the calibration and maintenance of all analyzers as pH, Conductivity, Turbidity, ORP, Silica, Sodium and iron analyzers. Laboratory devices (operation, prepare reagents and calibration): IC (High Performance Ion Chromatography) – for Identification and determination anions and cations in water. Device from Thermo Scientific – USA. TOGA (Gas Chromatography) – for Identification and determination dissolved gases in transformer oil. Device from DANI – Italy. NG (Gas Chromatography) – for Identification and determination dissolved gases in and nolecules. Device from DANI – Italy. UV-Vis Spectrophotometer – for determination the concentration of elements and molecules. Device from DANI – Italy. UV-Vis Spectrophotometer (Single beam) – for determination the concentration of elements by graphite tube technique and for determination the concentration of elements and molec
	 CPP water system.

- Closed Cooling water system.
- Auxiliary boiler and Reboiler water system.
- Mixed bed exchanger system.
- Reverse Osmosis water system.
- Ultra-Filtration water System.
- Raw water system.
- Potable Water System.
- Quality Control for Environmental affairs samples:
 - Waste water system.
 - Sewage water system.
 - Circulated water system.
 - Ashes.
- Analyze Oil samples:
 - Transformer Oils:
 - Dissolved gases, TC gases.
 - Moisture Content (Water Content).
 - Viscosity, Density and breakdown voltage.
 - Equipment Oils.
- Analyze Natural Gas samples: Percent of gas component.
- Analyze Hydrogen Purity in Hydrogen system (Electrolysis of water).
- Analyze Fuel samples: Calorific value.
- Perform Calibration Curve and operation for Apparatus:
 - Absorption Spectroscopy.
 - GC Apparatus: Transformer Oil Gas Analysis (TOGA) and Natural Gas (NG).
 - Ion Chromatography (HPIC).
 - Double and Single beam Spectrophotometer.
 - pH meter, Conductivity meter, Turbidity meter, Oil Content, Density meter, Bomb calorimeter, BOD, COD and Tentiometer.

Dates	:	From 2016 till 2018
Employer	:	SIPES for paints
Job title	:	R&D Chemist

- Develop formulations for products to match to market needing. Solvent based, Wood Care and Automotive paint like:
 - Solid color for automotive.
 - Base coat for automotive (metallic and pearl).
 - Filler and putty.
 - Duco colors.
 - NC (sealer and varnish).
 - Polyester (sealer and surfacer).
 - Acrylic (sealer and varnish).
 - Polyurethane (sealer and varnish).
 - UV coat for wood and plastic.
 - Compare between owner product and the competitor product to improve owner weakness points and develop our strongness points.
 - Making a new product we don't make it.
 - Making overall process in product development:
 - Testing.
 - Reports.

Job Description

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- Making trail batches in production. Follow product in market after the produced batch. _
- Estimate alternative raw material match to original raw material technical • properties with cost save or availability property.