

Moawia Khider Daffalah Elameen

KHARTOUM - SUDAN



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CAREER SUMMERY

Field operator

I have 5 years' experience in Oil and gas field at Khartoum Petrochemical Company (poly propylene industry) as field operator and lab chemist at Sudanese standards & metrology organization, also experience in analytical in GC and HPLC, Atomic absorption Spectrophotometer and UV Visible spectrophotometer, also I have Nebbish IGC, IOSH Certificate in managing safely and others courses related Quality and Safety

EXPERIENCE

Khartoum petrochemical company

Oct 2018 - Up to Now

➤ Field operator

- ✓ Running process of polypropylene plant.
- ✓ Inspections of all Instruments Such as pumps, reactors, compressors.
- ✓ Operate steady strictly following process standards.
- ✓ Follow instruction of assistant panel operator.
- ✓ Check and adjust the temperature, pressure, liquid surface level and flow quantity.
- ✓ Petrol inspection, ensuring steady and safety production.
- ✓ Add the catalyst, active agent and DDS manual to reactor.

- ✓ Inspection all instrument pumps heat exchangers, motors, turbines actors, compressors, collars manual valve, reactors.
- ✓ Follow instruction of assistant panel operator.
- ✓ Operate steady strictly following process standards.
- ✓ Keep the balance between input and output, as well as the heat balance to increase the yield rate of final products.
- ✓ Be responsible for machinery and pumps start-up and switch gas distillation unit.
- ✓ Check and adjust the temperature, pressure, liquid surface level and flow quantity.

➤ **QHSE department as lab chemist**

- ✓ Collecting polypropylene powder semi product and polypropylene granule as final product and doing test Melt flow rate ((MFR).
- ✓ Determining quality improvement parameters by identifying statistical methods relevant to polypropylene manufacturing process.
- ✓ Conduct Mechanical Tests such as injection and HDT, Tensile, Impact, Flexural for final product.
- ✓ Collecting the distillation gases and doing test by gas chromatography (GC).
- ✓ Comply with the necessary conditions for effective safe working environment. Carry out routine and non-routine testing gases, dispatch the catalyst.
- ✓ Inspection of instruments, calibrating and monitoring safety operations.
- ✓ Making daily and weekly, monthly reports according schedule.
- ✓ Following incident and emergency procedure as required.

- ✓ Maintain integrity of sample before analyzing.
- ✓ Instilling safety environments for employees.
- ✓ Making Work permeation system (PTW) maintained laboratory instruments to ensure the proper working order and Troup shouting malfunctions when needed.
- ✓ Prepare test solutions compounds, or reagent for laboratory personal to conduct tests. Evaluate laboratory safety procedures to ensures compliance with standards to make
- ✓ Improvement needed.
- ✓ Monitor operational procedures in Technical environments to ensure conformance to standards.

Sudanese standards and metrology organization

April 2017 - April 2018

➤ **Lab chemist:**

- ✓ Ensure that manufactured products meet set of predetermined quality standards.
- ✓ Doing all tests raw material, water, food materials.
- ✓ Ensure products specification correct by sampling and analysis.
- ✓ Carry out routine and non-routine testing analysis safe and healthy conditions in working environment.
- ✓ Conducting daily and weekly Reports of results.

EDUCATION

University of Bahri

2011-2016

BSc in Applied and Industrial Science - Chemistry science

CERTIFICATES

- ❖ Total quality management certificate - University of Sudan (TQM) - Nov2018
- ❖ Firefighting Training Khartoum refinery company - Feb 2019
- ❖ Paints manufacture and quality control - Mayor engineering Training center - Aug 2019

- ❖ Food safety management system ISO 22000 (ISO 9001 , ISO 14001 and ISO 18000) and Hazard analysis and critical control points (HACCP) - University of Sudan - Nov 2019
- ❖ Workshop in Atomic Absorption Spectrometry (Operation, application, Maintenance) - Prime for Scientific and Technical suppliers - Dec 2019
- ❖ Protective Equipment (PPE) (online course) - Knights of Safety - Feb 2021
- ❖ Fire safety induction (online course) - knights of Safety - Mar 2021
- ❖ Accident Reporting Awareness (online course) - knights of Safety - Mar 2021
- ❖ Occupational health and safety management system ISO45001:2018 (online course)- knights of Safety - April 2021
- ❖ Institution Occupational Safety and health in Managing Safely (IOSH) __Sep 2021
- ❖ National Examination Board in Occupational Safety and health (NEBOSH IGC) - Aug 2022

SKILLS

- Risks assessment
- Microsoft Office (Word, Excel, PowerPoint)
- Communication skills
- Solving problem
- Time management skills
- Good command of quality processes(currently responsible for quality audit)
- Team leader work.
- Quick learning.

LANGUAGE:

Arabic: mother tongue

English: Intermediate

REFERENCES

- Nourelhouda Khider Daffalah

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