

EMADALDEEN MUSTAFA MOHAMED ALDAW

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Professional Summary

Maintenance and Validation Engineer with over 8 Years of Experience in pharmaceutical industries and drugs manufacturing processes in multi-international company. Proficient in troubleshooting, preventive maintenance, follow-up, and developing solutions for automotive system. Performing instrumentation, Utilities, calibration tasks and machinery issues for plant operation.

Wide knowledge in TQM (Total quality management system) for pharmaceutical manufacturing process with Advanced skills in Systems validation, Qualifications protocol standards with cGMP such as HVAC, water treatment plant and utilities units.

Academic Qualification

B.Sc. in Mechatronics Engineering Technology, UNIVERSITI INDUSTRI SELANGOR (UNISEL), Malaysia Jul 2010 – Aug 2014

Career Orientation

| Description | Description |
|---------------------------------------|---------------------------------------|
| Low voltage | Electrical machinery troubleshooting |
| Mechanical machinery troubleshooting. | HVAC system validation. |
| Equipment maintenance. | Instruments and equipment Calibration |
| Utilities equipment maintenance. | Pump, motors, and pneumatic system |

Certificates & Training

| Certificate / Training | Description |
|------------------------|---|
| PLC | Programmable Logic Controller |
| OSHA | Occupational Safety and Health Environment |
| ISO 45001 | ISO Safety Certificate |
| Time management | 24 hr. training Course |
| SAP | Enterprise Software for Business Management |
| AUTO CAD | 2-D Drafting Software |

Work Experience: [Tabuk Pharmaceutical Company]

Aug 2021 – Oct 2022 | Senior Validation Engineer

- Upgraded validation system to enhancing risk based in all validation activities.

- Developed Key Performance Indicators (KPIs) of quality program.
- Managed the plant non-conformance program, including investigation and corrective action programs (CAPA).
- Prepared and reviewed machines qualification protocol and activated the protocols with cGMP guidelines.
- Reviewed, updated, and maintained all Specifications, Work Guides and SOPs.
- Tracked the internal and external calibration periodic plan for machine equipment, QC instrument, balances, temperature gauge, pressure gauge and standard weighing devices.
- Prepared, reviewed, approved, and updated qualifications of HVAC system and report the activities of the PQ to make sure the production clean room is controlled by cGMP guideline.
- Testing, adjusting, and balancing (TAB Test), HEPA integrity test, particle counter test, recovery test, Air visualization test and Environmental monitoring (EM test) according to guideline.
- Collaborated with validation team to prepare qualifications protocol of water treatment unit to achieve water quality.
- Equipment testing and calibration.
- Process validation of products as concurrent validation.
- Cleaning validation of the products.
- Temperature and Humidity mapping, Preparing SOPs, TM protocols for Controlled Room Temperature (CRT) and Controlled Cold Temperature (CCT) Areas.
- Risk assessment and evaluation.

○ **Work Experience:** [**Tabuk Pharmaceutical Company**]

Aug 2015 – Aug 2021 | **Maintenance and calibration engineer**

- Troubleshooting of Production machinery, sensors, pump, motors, gearbox, all electrical and mechanical equipment.
- Daily check of machine status, running hours, overall status of the machine.
- Prepare technical report of machines status and data analysis of monthly breaks down.
- Maintenance programs handling.
- Create Preventive maintenance schedule and following the preventative maintenance instructors respect to every machine operation manual to achieve the program.
- HVAC systems, water treatment and Utilities equipment's troubleshooting.
- Team member of HVAC system re-habitation in Sudan plant.
- Settings control and adjust the machine regarding to the products operation parameters.

○ **Languages**

- **English:** listening (superior), Reading (superior), Writing (superior), Speaking (superior)
- **Arabic:** Native

References available upon request.