



Khwaja Akbar Hasan

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ABOUT ME

Dedicated Chemist with a M.Sc. in Chemistry and proven track record of successfully conducting experiments, analyzing data and expertise in developing new methods and techniques to analyze and optimize chemical processes.

WORK EXPERIENCE

Executive Quality Control

Martin Dow Marker [01/06/2022 – Current]

City: Karachi | **Country:** Pakistan | **Website:** <https://www.martindownmarker.com> | **Name of unit or department:** Quality Operation - **Business or sector:** Professional, scientific and technical activities

- Develop and conduct programs of analysis to ensure quality control of raw materials, chemical intermediates or final product.
- Join training session and perform task of technical operation related to quality operation and EHS activities.
- Perform IQ/OQ/PQ of the new instruments and upon maintenance or when change the part of the equipment.
- Makes the report of instruments qualification, operation and performance.
- Supervise other chemists and chemical technicians.
- Schedule and performs the instruments calibration timely.
- Coordinate and collaborate the supplier and vendor to perform external calibration or qualification of instruments.
- Maintain training record of analyst, equipment performance and handling.
- Maintain SOP's update and timely revised.
- Maintain the record of instrumental OOS and column efficiency
- Perform method validation and verification with pharmacopeia guidelines and makes SOPs.
- Perform LIR and OOS, OOT with CAPA as well as deviation record.
- Assist to QC manager to preparation of external and internal audit like ISO/IEC17025:2017.

Quality Control Officer

Pharmatec Pakistan Pvt Ltd [09/03/2020 – 28/05/2022]

City: Karachi | **Country:** Pakistan | **Website:** <https://www.pharmatec.com/> | **Name of unit or department:** Quality Operation - **Business or sector:** Professional, scientific and technical activities

- Release of raw material and finished goods on the basis of FIFO.
- Perform testing of D.I, WFI, raw materials and finished products as well as stability, trial samples, new source vendor material's analysis.
- Daily monitoring and inspection of store for the approved and rejection labels of material.
- Make sure of data integrity in analytical testing and compliance.
- Ensure satisfactory/safe handling and storage of all reagents.
- Maintain and up-to-date record of all monograph/ raw materials specification and SOPs.
- Ensure implementation on PPEs.
- Maintain good house keeping, hygiene and cleanliness in the section.
- Calibration of all the instrument which are using in analysis, UV Spectrophotometer (1601 & 1700), Mettler Toledo, Semi Micro Balance MS-205 & MU-204, Refracto meter, dissolution Apparatus (Erweka & Pharmatest DT-70), pH Meter, Conductivity meter.

Quality Control Analyst

Cibex Pvt Ltd [16/09/2019 – 07/03/2020]

City: Karachi | **Country:** Pakistan | **Website:** <https://cibex.com.pk> | **Name of unit or department:** Quality Operation - **Business or sector:** Professional, scientific and technical activities

- Perform testing of D.I water, raw materials.
- Preparation of volumetric solution.
- Preparation of chemical indicators and reagents.
- Preparation of dissolution medium.
- Preparation of mobile phase.
- Preparation of raw material analysis reagents.

- Maintaining the record of stability chamber.
- Maintaining the record of retention sample as well as stability samples.

Internship

Gelcaps Pvt Ltd [11/02/2019 – 10/06/2019]

City: Hub | Country: Pakistan | Website: <https://gelcapspakistan.com> | Name of unit or department: Quality Operation - Business or sector: Manufacturing

- Analysis of D.I water
- Analysis of raw material and semi finished product.
- IPC of semi finish products (Empty hard gelatin capsules).
- Record maintenance of color formulation.
- Gelatin manufacturing.
- Gelatin bloom test.
- Gelatin color formulation and preparation.
- Color analysis.

EDUCATION AND TRAINING

M.SC. in Chemistry

University of karachi [08/2016 – 12/2018]

City: Karachi | Country: Pakistan | Website: <https://uok.edu.pk> | Field(s) of study: Chemistry | Final grade: C | Level in EQF: EQF level 6 | NQF Level: 6 | Thesis: N/A

B.SC. in Chemistry

University of karachi [09/2012 – 12/2015]

City: Karachi | Country: Pakistan | Website: <https://uok.edu.pk>

Higher Secondary Certificate

Board of Intermediate Education Karachi [04/2010 – 05/2012]

City: Karachi | Country: Pakistan | Website: <https://www.biek.edu.pk/>

Secondary School Certificate Examination

Board of Secondary Education Karachi [08/2007 – 10/2009]

City: Karachi | Country: Pakistan | Website: <https://www.bsek.edu.pk/>

ORGANISATIONAL SKILLS

Professional skills

- Write Familiar in good laboratory practices and lab safety rules.
- Familiar in good manufacturing practices rules.
- Knowledge about USP, EU and FDA guidelines.
- Familiarization with sampling and testing procedure of raw material.
- Implementation on ALCOA and GDP.
- Implementation on EHS,ICH guidelines and procedures.
- Good knowledge of major lab equipment techniques and trouble shooting skills.
- Knowledge in MS Office and MS DATA BASE Access and MS dynamics.
- Good communication and team work skills.
- Take on any other assignment or task assigned by the management.

TECHNICAL INSTRUMENTAL SKILLS

[02/2019 – Current]

Instrument Awareness and Handling

- Nexis GC-2030 Gas Chromatograph
- HPLC (Waters) (Empower)
- Agilent HPLC 1260 Infinity II (Control Panel)
- ALPHA F.T.I.R (Bruker,OPUS)
- Raman spectroscopy

- HPLC LC-20 AT(Shimadzu) (Lab Solution)
- Atomic Absorption Spectroscopy
- F.T.I.R
- UV Spectrophotometer
- Karl fisher(Hanna) HI190M also using Karl Fisher of Mettler Toledo.
- Dissolution apparatus (Pharmatest DT-70, Pharmatest (PTWS-12 STATIONS & Erweka).
- Polarimeter Bellingham stanely (ADP220).
- Viscometer (BrookField).
- Potentiometer (AT-510) KEM Japan.
- pH meter, Conductivity meter, Hardness Tester.
- Texture analyzers, Friabilator , Refractometer, Semi Micro Balance (MU-204,MS-205).
- TOC.

DIGITAL SKILLS

Microsoft Excel / SAP / Microsoft Dynamics / Micosoft Word / Microsoft Powerpoint / ERP

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING B1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user