

## **DARSHANA GOHIL**

14 CHICOPEE PARK COURT, KITCHENER, N2A 3E2

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### **Quality Control Analyst**

#### **Professional Highlights**

- 2.5 year experience in Environmental analytical testing and reporting sample under GMP environment
- 2 year of experience as a lab coordinator and teaching in university ● 2.5 year hand on experience in chemical testing of soil and water sample using analytical instrument
- Operate various Analytical instruments such as U.V Spectroscopy, Centrifuge, PH meter, Dissolution, Distillation.
- Verification of lab equipment as required (i.e. pipettors, dispensers and syringes)
- Assist in setting up and conducting chemical experiments, tests and analysis ● Prepared solution of gas or liquid, reagents, and sample formulation , reagents or standards when required

#### **Professional Experience**

##### **Laboratory skills (Inorganic )**

- Proficient in testing of Determination of Total Phosphorus, TDP and DRP in Water by Colorimetry
- Proficient in testing of COD in Waters and Wastewater by Spectrophotometer ● Testing of Hexavalent Chromium in Soil by Colorimetry Alkaline Digestion ● Proficient of Fluoride in Water and Leachates by Ion Selective Electrode & PC Titrate ● Ability to testing of TOC, FOC and TOC in Soil, Sediment or Sludge by Spectrophotometer
- Proficient of Conductivity and pH from a set Soil/Biosolids by PC Titrate ● Handled And testing of Oxidation Reduction Potential (ORP) in Water and Soil ● Proficient of Fluoride in Water and Leachates by Ion Selective Electrode & PC Titrate ● Ability to test boron, electric conductivity in soil. samples. on hand experience in digestion and dilution of soil sample, filter sample, Paint sample for ICP MS instrument. ● Handled and calibrated laboratory instrument PC titrate , analytical balance, spectroscopy ● To performed the extractions and analyses of the above compounds in accordance with the SOP
- Used all lab scale equipment and related SOPs for batching, testing and quality purpose

### **Special knowledge**

- Maintain data of media and chemical consumption during testing and compiled daily report or data in logbook
- Reviewed testing and analyzing data generated after testing to ensure compliance to appropriate specification and protocols
- Created and Reviewed block flow diagrams, PFDs, P&IDs, and Layout Drawings
- Knowledge of Process design criteria, compile Process Flow Diagrams, along with associated mass and energy balance calculations.
- Knowledge of software like CAMCADE and MATLAB
- Research work on “Fouling behaviour study in engineered osmosis system”
- Basic computer skills included word processing, managing computer files, and creating presentations. Advanced computer skills include managing databases and running calculations in spreadsheets.
- Guided 2 undergraduate students for their project.
- Managed of classes, delivering lectures evaluation of students’ performance

### **Work History**

Lab technician (B) (in Agat laboratory (Environmental science) Mississauga, ON (Nov 21 to Present)

Assistant Professor and Lab Assistant in university Gujarat, India 2018-2020

### **Education**

Master of Chemical engineering (Computer aided Process Design) 2018 L.D.

College of engineering (Ahmadabad) Gujarat Technology University

Equivalent Master Degree to the World Education Service

Bachelor of Chemical engineering 2016 Government Engineering College, Bhuj

Gujarat Technology University Equivalent Bachelor Degree to the World

Education Service

Diploma in Chemical engineering 2013 D.D.I.T, Nadiad D.D.U University

Equivalent Diploma Degree to the World Education Service

### **Training certificates**

Vocational training in Alembic Pharmaceutical Ltd, at panelav Halol, vadodara

Meghmani organics Ltd,Ahmedabad

Sud-Chemie india Pvt Ltd, Vadodara