

WILLIAM BRAY
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POSITION OBJECTIVE:

An opportunity to contribute my skills and abilities within your organization toward the common goal of successful growth and profitability within the industry with future advancement possibilities.

PERSONAL SUMMARY:

With both a background in the troubleshooting of processes as well as an education in digital technology, I offer a strong interest in finding the source of a problem, solving it, and then taking the measures necessary to prevent its recurrence. I am experienced in establishing an effective relationship with team members, customers, contractors, and non-departmental employees. I offer maturity and stability as well as dedication to making the company and its processes as efficient as possible while maintaining quality standards.

EXPERIENCE:

TDA Research

4663 Table Mountain Dr

Golden, Co 80403

Technician 1/10/22 to 4/08/22

- Operate prototype devices for generating ultra pure sterile water and lactated ringer solutions.
- Prepare testing materials beforehand by packing solvent beds, autoclaving tools and mixtures and assembling equipment.
- Record data into lab book from initial measurements and post analysis provided via conductivity probes TOC analyzers and microbiological incubators.
- Operation of breadboard prototype for system testing in support of product design.
- Utilizes a variety of filtration components to produce pure dialysate.
- Varied inlet water quality to test system response to variable water sources.
- Wet lab operation.. preparation of testing solutions and analytical standards.
- Analytics..operation of a EasyLyte analyzer (ion selective electrode device) for quantifying solution quality of samples produced on the breadboard system

ChemStation of the Rockies

5015 Paris St

Denver, CO 80239

Chemical Blender 1/07/21 to 9/10/21

- Knowledge and experience in operating mixers, pumping equipment, hi-speed mixers, and tinting equipment in the production area.
- Chemical Blender will be able to follow process orders from beginning to end and record all pertinent information.
- Individual will add materials at specified quantities and times, observe temperatures and or mixtures and record necessary batch information, and take, conduct and record samples at designated times to ensure timely, consistent, quality batches.
- Manufacture/blend batches for liquid filling line
- Verify quantities of materials and ingredients
- Weigh, measure and mix liquid, solids and powders

- Use scales, thermometers, and refractometers
- Be proficient in math to calculate batch requirements and tolerances
- Ensure correct procedural implementation and documentation
- Manage material inventory
- Maintain a safe, clean, organized work area
- Observe all safety, PPE, and quality procedures while completing required tasks
- Ability to ensure and document quality
- Ability to read and interpret documents such as safety rules, operating instructions and procedure manuals
- Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions and decimals
- Ability to apply common sense understanding to carry out detailed written and oral instructions
- Proven ability to maintain confidentiality and discretion with information
- Communicate in an effective and positive manner
- Able to drive sit down propane forklifts
- Ability to work with Microsoft Excel
- Ability to work with Microsoft Outlook for email communication
- Maintain a clean and safe environment
- Must be able to stand and walk for long periods, lift or carry parts, material and product of up to 50 pounds
- Must climb steps, maintain body equilibrium to prevent falling, have good hand/eye coordination, stoop and bend
- Must be capable of visually detecting defects, depth, colors, variances, and see objects as real

PureVision Technology Inc.

511 McKinley Ave.

Ft. Lupton, Co 80621

Extraction / Lab Technician 5/13/19 to 8/13/19

- Assist with formulation, production, bottling, labeling and sealing products as needed which includes carefully following the SOP's as written and provided to you by the Company.
- To assist, as necessary, in performing sampling, assays and characterizations of the solid and liquid fractions being generated from extractions, experiments or reactors.
- To assist in developing and performing new and innovative methods to convert biomass into fiber, sugars and lignin fractions, and subsequently into useful commercial commodities such as alcohol, bio-fuels, terephthalic acid and other commodities.
- To operate, maintain and troubleshoot laboratory equipment including HPLC units, autoclave, centrifuge, balances, pH meters, fermenters, hoods, and other equipment.
- Assist with receiving, warehousing, and distribution operations.
- Assist with production runs and related fulfillment tasks with all vendors providing bottling, packaging and labeling services.
- Observe good housekeeping and safety procedures and keep equipment, tools and work area clean and orderly by performing 5S duties and continued dedication to continuous improvement.

May 2016: Early retirement.

2017: Consultant for various automotive, chemical laboratory and propane delivery companies.

NREL (National Renewable Energy Laboratory)

Golden, CO

80401

4/17/07 to 4/14/16

Sr. Research Technician

- Operated process equipment and systems with safe handling of industrial chemicals.
- Responsibilities include compliance with NREL's environmental, safety and procedures.
- Prepared reaction vessels for experiments.
- Performed preventative maintenance on all pilot plant equipment.
- Experience with biomass conversion equipment and systems.
- Collected and prepared solid and liquid chemical samples.
- Assisted research engineers/scientists with operation, maintenance and upgrading of NREL's Biochemical pilot plant and associated laboratory facilities.
- Keeping work areas and tools in safe operating condition and maintaining an inventory of tools, parts, and other supplies.
- Experience with instrument systems (temperature, pressure, flow etc).
- Ability to function in a team environment interacting with engineers, scientists and technicians.
- Effective, adaptable learner and communicator.

INSMED THERAPEUTIC PROTEINS

Boulder, CO

9/25/06 to 3/10/07

Manufacturing Associate 3

- Responsible for the hands-on execution of activities in the Manufacturing area operations; including both the fermentation and purification areas. All operations are performed with strict adherence to current Good Manufacturing Practices (cGMP) and applicable environmental and safety regulations. The job is not limited to but includes some or all of the following duties and responsibilities:
- Prepare media and buffer solutions, using both glass/plastic containers as well as 500-2000L vessels.
- Clean, assemble; prepare glassware and small equipment used in the manufacturing process. Includes the use of large scale dishwashers, autoclaves, and depyrogenation ovens.
- Operating Clean-in-Place (CIP) and Steam-in-Place (SIP) systems.
- Prepare, operate, and clean stationary vessels used in the process.
- Keep all manufacturing rooms, including support areas, clean as needed to meet the requirements of the respective controlled environments.
- Monitor critical process parameters to include, but not limited to, the fermentation process, cell wash, cell lysis, liquid chromatography, and UF/DF systems.
- Prepare and clean equipment used during both the fermentation and purification trains.
- Perform the procedures necessary to carry out the fermentation process, including cell wash, cell lysis, and inclusion body recovery.
- Perform the procedures necessary to carry out the purification process including protein recovery, UF/DF, and liquid chromatography.
- Train other associates as needed on all manufacturing processes as well as support functions.

AMGEN INC.

West Greenwich, RI

4/23/01 to 11/17/06

Manufacturing Associate 1 - Purification

- Responsibilities include Chromatography and TFF operations
- Chromatography operations include column packing / unpacking, testing the HETP and preventative maintenance of columns.
- TFF operations include the removal and install of cassette filters for UF/DF systems and the cleaning and storage of UF skids.
- Lab responsibilities include pH and conductivity testing, UV 280 protein concentration.
- Start-up activities for AR1 and AR5 include Mechanical , Instrumentation, Automation check –out, operational and process qualifications of Purification systems
- Additional responsibilities include CIP, SIP, Filter integrity testing.

ROCHE INC.

Boulder, CO

10/94 to 8/95

Chemical Operator

- Responsibilities include chemical processing, measuring, weighing, transferring and mixing of chemicals to create compounds used in drug production for human consumption.
- Monitoring of equipment control devices.
- Involved in extensive training to upgrade my certification in chemical manufacturing.
- Operator certification testing involved knowledge of pumps, valves, flow devices, heat exchangers, chemistry, mathematics.

PFIZER INC.

Groton, CT

12/21/87 to 6/14/93

Process Technician

- Operate complex equipment in providing plant wide services to collect, store and eliminate waste streams produced by the manufacture of medicinal, pharmaceutical or specialty chemicals.
- Troubleshoot complex equipment
- Exercise discriminating judgment in the use of dangerous or hazardous chemicals as well as extremely hazardous electrical, mechanical and chemical processes.
- Understanding the effects of mistakes or errors on other employees, the community, the environment and on myself.
- Responsible for maintaining operations to meet departmental procedures and regulatory requirements as well as continuous improvement of work processes and compliance with safety and regulatory policies and procedures.

OTHER EXPERIENCE AND ABILITIES:

Forklift operator, certified.

Loading and offloading tanker trucks.

Computer business software includes, Delta V, Millipore PLC systems,

Microsoft word and excel

EDUCATION:

Montville High School

Montville, CT

Rise Institute of Electronics

Providence, RI

Pfizer, Inc.,

Groton, CT

A 40-hour course in working in a hazardous environment.

Hazardous Work Operations, Emergency Response Training.

Training included: Certification

Spill containment.

Fire Safety.

Firefighting techniques

Breathing apparatus operation.

References available upon request.