

Perry Christopher

Advanced/Analytical/ Manufacturing Chemist

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A professional chemist with extensive experience in material science. Committed to a logical, analytical planning process leading to sustainable, profitable results. Expertise in project and engineering management, product development, QA/QC, R&D, and the manufacturing process. An effective leader and team builder with an imaginative, energetic style and a recognized success record in critical problem-solving skills.

Authorized to work in the US for any employer

Work Experience

Analytical Chemist

Corden Pharma Colorado - Boulder, CO

June 2019 to January 2024

- Downstream purification optimization HPLC of crude polypeptides and impurities for production of pharmaceutical drugs.
- Testing of polypeptides for establishing Certificate of Analysis of pharmaceutical drugs (Water, Ammonia, Purity, TFA, HPLC, UPLC and Phosphate content).
- TOC Analysis of swab and cleaning sample solutions for cleaning validation study.
- SP Virtis Geneis 25EL Lyophilizer commissioning, set-up, operation, and recipe.
- Potent training and non-GMP operator for scale up processes to GMP.
- Working Knowledge of Notebook, data, and LIMS review.

Advanced Manufacturing Chemist

AGILENT TECHNOLOGIES, INC - Boulder, CO

2016 to June 2019

Downstream purification of oligonucleotides used in pharmaceutical drugs and medical R&D.

- Prepared cleaning, storage, and buffer solutions for use in the purification of oligonucleotides.
- Operated MPLC/HPLC, UF, Annealing, Concentration and Lyophilizing Fill/Packaging of synthesized nucleic acid oligomers.
- Process Development Laboratory work on DOE UF loadings, flow rates, concentrations, mixing studies.
- Completed aseptic techniques to ensure purity and safety of products.
- Trained in GMP/FDA regulations, GDP and laboratory investigations for the pharmaceutical industries.
- Trained in 24 hour HAZWOPER and currently training in emergency medical, cleanup technician, and as incident commander.
- Qualified Operator and Trainer for downstream operations.

Technical Specialist

CALFRAC WELL SERVICES - Louisville, CO

2011 to 2016

Management of the water laboratory. Implemented chemical Quality Analysis and Quality Control testing procedures for Calfrac and clients to ensure all products entering the district met or exceeded quality specifications.

- Performed Quality Control (QC) checks on supplier chemicals to ensure they meet company specifications and prevent job failures.
- Verified hydraulic fracturing fluid specifications could be met with client supplied fluids, for both water and hydrocarbon based fluids.
- Optimized fracturing fluid formulations to reduce costs to clients.
- Successfully trained new employees to work independently.
- Successfully completed API-Q2 audits and regulatory inspections for International Standards Organization (ISO regulations) for the regional laboratory.
- Assisted Calfrac clients with patent process of the development of a measuring device for the oilfield.

Q/C Manager/Scientist

PEAK PETROLEUM TESTING SERVICES INC - Denver, CO
2009 to 2011

Developed projects and chemical analysis of jet and diesel fuels as per ASTM specifications.

- Prepared standard calibration solutions and calibration curves for test instrumentation for natural products.
- Certified new instrumentation for analysis and completed projects for ISO 9001 certification of the laboratory.

Applications Chemist

TUSAAR INC - Boulder, CO
2009 to 2009

Refined a patented process for removing heavy metals from acid mine drainage, metal plating operations, coal-fired power plant water cleanup working with corrosion prevention additives.

- Experimented with small scale laboratory based production that resulted in scale up production of heavy metals extraction process using HPLC (Agilent 1200), automated fractionators (Eldex) and metal chelating columns.

Chemical Engineer/ Materials Scientist

SEAGATE TECHNOLOGIES - Longmont, CO
1999 to 2009

Utilized corrective actions for component and hard drive failure analysis within manufacturing, design and production process.

- Tested using standard operating procedures, modifications and effective method development for chemical analysis, data test analysis, and technical documentation to ensure the specification of the final product.
- Analyzed liquid laser particle counting of drives and component using scanning electron microscope (SEM) with X-ray chemical analysis to identify potential failures.
- Processed GC instrumentation and outgassing reporting systems, data analysis, failure analysis reports, and interpretation for detailed reporting of the approval or rejection of final production process.
- Performed quality testing for electronic and electro mechanical analysis of motor designs and assembly tasks for inspection and generated accurate documentation for design improvements and preproduction process.
- Assembly of components and drives for quality testing for the development and manufacturing process.

Education

Bachelors of Science degree in Chemistry in Chemistry

Lehigh University Bethlehem

Metro State College Denver, CO

Skills

- chemical analysis (10+ years)
- instrumentation (10+ years)
- SEM (10+ years)
- testing (10+ years)
- Biochemistry
- Formulation
- GC
- Chemistry
- HPLC
- Microsoft Office
- Quality control
- CGMP
- Laboratory experience
- Continuous improvement
- Quality systems
- Time management
- Manufacturing
- Management
- Laboratory information management systems
- Root cause analysis
- ISO 9001
- Research & development
- Data analysis skills
- Analysis skills
- Precision measuring instruments
- Quality assurance
- Product development
- Technical writing
- Research
- Project management
- Writing skills
- Communication skills

- UI
- Packaging
- Mechanical knowledge
- Leadership
- Basic math
- Math
- Computer literacy
- Computer skills
- ASME codes & standards
- Oil & gas
- Customer service
- EHS
- High-performance liquid chromatography
- Wet chemistry
- Microsoft Excel
- Water treatment
- Supervising experience
- FDA regulations
- Programmable logic controllers

Certifications and Licenses

Hazmat Awareness

March 2018 to March 2020

24 hour HAZMAT with SCBA training

Additional Information

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- Quality Analysis, Control, Management, Research and Development Chemist
- Experience in GMP/FDA regulations, GDP and laboratory investigations
- Calibration, maintenance, troubleshooting, and repair of analytical instrumentation
- Effective verbal and technical writing skills

Technical Skills:

- ICP - Inductively Coupled Plasma/Optical Emission Spectroscopy instrumentation for water and chemical analysis
- SEM X ray analysis
- Auto-Titrator/Ion Selective testing of waters and chemicals
- GC/MS

- HPLC
- FTIR
- UV/Vis
- Karl Fisher
- Brookfield Rheometer Testing
- ASTM testing paint, polymer, adhesives, coatings, inks, and petroleum fuels
- Clean room protocols
- MIL-SPEC testing of aerospace alloys and computer chips
- Formulation and de-formulation of consumer and industrial products
- Pharmaceutical/nutraceutical purification, extraction, and testing for production
- Following, authoring and reviewing of technical documents and investigation reports (SOPs)
- Microsoft Office, Word, and Excel
- Six Sigma coursework
- Working experience in GMP testing environment