

Cruz Pierce

Pilot Plant Chemist

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SUMMARY

Dedicated chemist with over 2 years in laboratory environments, specializing in chemical formulation and analysis. Proven ability to conduct experiments supporting product development while adhering to safety standards. Strong knowledge of chemical engineering principles combined with familiarity in various testing methodologies. Committed to continuous improvement, collaboration with teams, and delivering high-quality lab results. Ensured compliance with health, safety, and quality regulations through methodical practices. Engaged actively in safety discussions, training sessions, and promoted a culture of safety within the workplace environment.

EXPERIENCE

Pilot Plant Chemist

Fictitious Chemical Innovations 📅 June 2024 - Present 📍 North Kansas City, MO

Oversaw manufacturing lab operations, focusing on chemical formulations and prototype testing geared towards product development. Worked closely with cross-functional teams, balancing scientific rigor and safety protocols in a collaborative atmosphere.

- Conducted preparation of chemical formulations through synthesis and blending for high-quality outputs.
- Executed rigorous testing of prototypes using mechanical and chemical analyses to validate performance specifications.
- Collaborated with cross-functional teams to provide technical assistance that effectively supports customer formulations.
- Maintained laboratory equipment through preventative maintenance and calibration, reporting malfunctions promptly.
- Led safety topics during meetings, actively promoting compliance with OSHA, DOT, and EPA regulations.
- Documented and communicated status of experiments and equipment changes, maintaining operation continuity.

Laboratory Technician

Innovative Lab Services 📅 January 2023 - May 2024 📍 Kansas City, MO

Facilitated lab activities supporting new product developments with a focus on chemical testing efficiency and regulatory compliance. Provided valuable contributions in quality control processes and safety improvements alongside seasoned professionals.

- Assisted in preparation and testing of chemical products, effectively enhancing overall lab operations.
- Supported new product development projects, contributing formulation strategies based on empirical data.
- Performed quality control tests and documented results to ensure compliance with ISO 9001 standards.
- Engaged in risk assessments and incident investigations aimed at improving lab safety protocols.
- Collaborated with senior chemists on evaluating raw materials applicable to various initiatives.
- Utilized Microsoft Office applications and SAP for efficient data management and comprehensive reporting.

LEADERSHIP & AWARDS

- Recognized for outstanding contributions to safety and product quality enhancements in lab operations.
- Received Employee of the Month award for exceptional commitment to team collaboration and successful project outcomes.

EDUCATION

Bachelor's Degree in Chemical Engineering

University of Missouri-Kansas City 🎓 GPA: 3.5 📅 2023 📍 Kansas City, MO

Coursework: Thermodynamics, Process Design, Organic Chemistry, Safety Regulations

CERTIFICATIONS

- OSHA Hazwoper Certification 📅 2025
- Chemical Safety Training 📅 2025

TECHNICAL SKILLS

- **Testing Methodologies:** HPLC, GC-MS, Spectrometry
- **Chemical Safety Practices:** Hazardous Material Handling, PPE Usage, Emergency Procedures
- **Analytical Software:** ChemStation, LabVIEW, MATLAB
- **Regulatory Standards:** OSHA Compliance, ISO 9001, EPA Regulations
- **Laboratory Equipment:** Spectrophotometer, centrifuge, pH meters
- **Data Management Tools:** SAP, Microsoft Excel, LIMS
- **Project Management Tools:** Trello, Asana, JIRA

- **Collaboration Tools:** Slack, Zoom, Microsoft Teams
- **Compounding Technologies:** Mixers, Reactors, Blenders
- **Product Development Ideas:** Formulation Strategies, Prototype Testing, Customer Feedback Integration

SKILLS

- Chemical Formulation
- Quality Control
- Microsoft Office Suite
- Laboratory Testing
- SAP Proficiency
- Health and Safety Compliance

PROFESSIONAL AFFILIATIONS

- Member of the American Chemical Society, engaging with industry peers on innovative solutions.
- Participated in local chemical engineering forums, sharing insights and best practices with fellow professionals.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST