

Nicole Christine Adams

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EXPERIENCE

QA Lab Chemist II

Molecular Filtration Group, Louisville, Colorado / Oct 2022-Current

- Performs toxic gas analysis on various materials using Shimadzu GC software and machinery to ensure the adequate protection of our nation's military personnel
- Organize and ensure the accuracy copious amounts of data to ensure timely product release on materials that are deemed safe to be used in surgical anesthesia and gas masks used in military applications.
- Spearheaded records management modernization effort to strengthen the company's physical security posture
- Diagnosed and remediated a long-standing issue with a gas test stand in my first month that reduced shut down time by over an hour, increasing the number of tests performed per day.
- Partnered to lead the calibration and validation of the Camsizer device and software to retire our outdated test methods and significantly reduce the test times by over 85% and decrease variability.
- Collaborated with the UK branch of our company to develop a test method for our branch that was implemented at our branch to reduce our testing from 1 hour per test to 7 minutes per test.
- Worked with my colleagues to overhaul our retention system and put one into place that will be easily reproducible for future employees.
- Responsible for troubleshooting, performing preventative maintenance, and calibration on various lab instruments and test stand set-ups as well as making chemical solutions for lab and production use.
- Helped develop a team environment from an originally individualistic one with increased communication and sharing of responsibilities, which has since decreased sample turn times from an average of 9 days to 4 days.

EDUCATION

Florida State University - Tallahassee, Florida

Bachelor's of Science, Biochemistry (Dec 2021)

Relevant Coursework

- Chemistry 1&2 Labs, Biochemistry Lab
- Organic Chemistry Lab, Analytical & Advanced Analytical Chemistry Labs

Florida State University - Tallahassee, Florida

Bachelor's of Science, Psychology, Chemistry minor (May 2018)

ADDITIONAL

- Highly skilled in use of lab equipment and thorough understanding of lab procedures including proper chemical handling & sterile technique, etc.
- Precise analytical analysis skills using GC, GC-MS, FTIR, HPLC, Flame Atomic Spectroscopy, Raman, reagent preparation, titration etc.
- Excellent biochemistry laboratory skills including buffer preparation, PCR, FPLC, gel electrophoresis, gel mediums, cell cultures, crystallization, SDS-PAGE, Western Blot, etc.
- Highly proficient in data analysis & transformation through use of Microsoft Excel, Unicorn 7, and other software. Fluent in Microsoft Office. Work with Minitab software on a daily basis.
- Certified in ISO 9001 and ISO 13485.