



Alta Resource Technologies, Inc.

Analytical Chemist- II / III

Location: Boulder, CO

Reports To: Director of Analytical Chemistry

About Us

Alta is reinventing how the world sources critical minerals — using protein-based chemistry to extract rare earth elements and other essential materials from challenging feedstocks with unmatched selectivity. By dramatically reducing the cost and environmental impact of mineral separation, Alta is making it possible to unlock new sources of supply for 21st-century technologies. As global demand accelerates, securing these materials has become one of the most urgent challenges facing U.S. competitiveness and national security. Backed by top investors and government partners, Alta is growing fast and hiring mission-driven scientists and engineers to help us scale our platform and transform the future of mining.

Role Summary

Alta is seeking a talented Analytical Chemist to join our growing Analytical Chemistry Group. This role will support day-to-day laboratory testing, sample processing, and data generation that supports the diverse analytical needs for Alta. The position plays an important part in advancing Alta's mission by providing reliable measurements that guide technical decisions across our R&D and process engineering teams. This role will be a key contributor to our innovation pipeline.

A successful candidate will bring foundational laboratory skills, prior ICP experience, and a strong desire to learn and grow alongside a multidisciplinary team spanning chemistry, engineering, and operations. The role requires full-time, on-site presence at our Boulder lab, with occasional support outside standard hours.

Key Responsibilities

Laboratory Testing & Sample Processing

- Perform day-to-day sample preparation, digestions, dilutions, and routine wet-chemistry procedures.
- Execute analytical measurements that support diverse testing needs.
- Maintain clear, accurate records of samples, conditions, and observations.

Instrument Operation & Data Collection

- Operate ICP-MS/OES and other core laboratory instruments under established methods.
- Conduct calibrations, verification checks, and scheduled instrument tasks to maintain instrument readiness.
- Generate and compile data for review by cross-functional stakeholders.

Method Execution & Workflow Support

- Follow written SOPs and analytical methods with strong attention to detail and consistency.
- Assist in improving laboratory workflows, documentation, and sample-handling processes.
- Support day-to-day lab readiness through reagent preparation and consumables management.

Safety, Compliance & Documentation

- Follow all laboratory safety protocols for chemical handling, instrumentation, and waste management.
- Maintain organized, complete laboratory records aligned with Alta's quality expectations.
- Support updates to procedures, documentation tools, and best practices.

Required Qualifications

- Bachelor's degree in Chemistry, Biochemistry, Chemical Engineering or a related scientific discipline.
 - 2–4 years of hands-on laboratory experience involving analytical chemistry instrumentation in an academic, industrial, or research environment.
 - Proficiency in routine laboratory practices including sample preparation, digestions, dilutions, and wet-chemistry techniques.
 - Ability to operate and support analytical instruments following written methods and SOPs, with consistent execution and attention to detail.
 - Working knowledge of calibration, verification checks, and basic data validation concepts.
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Preferred Qualifications

- Experience with elemental analysis techniques such as ICP-MS, ICP-OES, or related inorganic analytical methods.
 - Familiarity with protein or biomolecule characterization techniques, including liquid chromatography-based workflows.
 - Prior involvement in method development, optimization, or validation.
 - Comfort working in fast-paced, multidisciplinary environments where priorities may shift based on experimental timelines.
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Compensation & Benefits

The starting pay range for this position is \$75,000 - \$90,000, commensurate with educational background and work experience.

Benefits include:

- 401(K)
 - Medical, Dental, Vision plans (or equivalent)
 - Flexible Time Off
 - Paid Parental Leave
 - Paid Sick Leave
 - Company Holidays
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EOE

At Alta, we are committed to diversity and inclusion. As an equal opportunity employer, all qualified candidates will be considered for employment without regard to race, color, creed, religion, age, sex or gender (including pregnancy, childbirth, lactation and related medical conditions), gender identity or gender expression, sexual orientation, marital status, national origin, ancestry, citizenship status, military service or veteran status, physical or mental disability, or any other legally protected characteristic. Alta participates in e-Verify for all positions.

If you have a disability or special need that requires accommodation at any point in the hiring process, please let your recruiter know.

How to Apply

To apply, please email your resume and a cover letter (see below) to talent@altatech.io. Include your name and the job title in the subject line (i.e., [Your Name] – [Job Title]).

All applications **must include** a one-page cover letter. The cover letter should clearly state your interest in the position and our company, outline 2–3 specific technical skills or accomplishments relevant to the role, and demonstrate how your experience aligns with our mission and technology platform. We expect concrete examples that illustrate measurable impact and collaborative problem-solving in technology development. Applications submitted without a cover letter will not be considered.