

Job Description: Laboratory Technician

Position Title: Metallurgical Technician

Location: Las Vegas, Nevada

Reporting: Lab Manager

Overview:

Cuprum Metals seeks a Metallurgical Technician for its Cuprum Development Center laboratory. The role supports the recovery of copper and precious-metal byproducts from mining materials and waste through metallurgical testing, advanced analytics and instrumentation, accurate analysis, and team collaboration.

Responsibilities:

Operating

- Safe and efficient laboratory operations to establish quality standards,
- Maintain analytical precision and reliable research outcomes.
- Develop, document, and maintain laboratory protocols and SOPs.
- Perform mineral beneficiation, material handling, and wet-lab extraction.

Technical Expertise

- Operate laboratory equipment and tests, including:
 - Stirred beaker reactions
 - Bottle roll and column testing
 - Hot plate chemistry testing (acid and base chemicals)
 - Vacuum filtration
 - Precise sample preparation, weighing, and volume measurement
 - Laboratory furnaces and crucibles
 - pH/ORP meters for electrochemical measurements
 - Scales and graduated cylinders
 - Density, strength, and sieving equipment for physical property analysis
- Produce accurate, reproducible test results and maintain records consistent with laboratory best practices.
- Calibrate, maintain, and troubleshoot laboratory equipment.

Collaboration and Innovation

- Partner with technical team members, technology providers, and outside laboratories to test extraction, separation, and material-processing technologies.
- Apply advances in instrumentation and methods to improve laboratory capabilities.

Data Management and Reporting

- Record, store, and report data accurately, securely, and on time.
- Interpret results and prepare technical reports that support decisions and process optimization.
- Present findings to teams, partners, and stakeholders.

Quality and Safety Compliance

- Follow laboratory safety protocols and regulatory requirements.
- Implement QA/QC measures that ensure accurate, repeatable data.

Qualifications

- Degree in Chemistry, Metallurgy, Engineering, Geology, or a related field.
- Experience in mineral processing, wastewater treatment, industrial production, or related laboratory work.
- Familiarity with ICP-OES, XRF, digestion, and other relevant analytical instrumentation.
- Chemistry/metallurgy laboratory experience preferred.
- Knowledge of laboratory methods, data interpretation, and laboratory management.
- Strong communication and collaboration skills.
- Commitment to a safe, inclusive, and innovative workplace.

Additional Information:

We invite you to join Cuprum Metals in advancing sustainable copper processing and resource recovery. This is a key role helping convert minerals and waste into valuable resources.