
Laboratory Technologist
Peterborough, Ontario
(File Reference: LT-2019)

We are seeking a Laboratory Technologist for our client, a global leader in the recycling and purifying of electronic metals that are used in a variety of applications from wireless technologies and LED lighting to solar power technologies, among others. The incumbent will be joining a team of approximately 10 employees in their Research and Technology group, responsible for the following:

GENERAL DUTIES AND RESPONSIBILITIES:

- Design and conduct experimental test work.
- Analyze and characterize materials obtained in the R&D Lab or at production sites
- Prepare reports for meetings (describing & summarizing experiments).
- Troubleshoot any laboratory equipment performance and related deficiencies as they become apparent with and/or without assistance of the manufacturer.
- Assist with technology transfer, i.e. scale-up of laboratory work to production scale.
- Assist with procedure development and operation of analytical equipment. Examples of analytical method development are particle size distribution, gravimetric, titration, ion chromatography, tap and bulk densities along with thorough sample preparation methods.
- Determine detection limits, analysis errors and develop QC/QA program for both ICP-OES and AA.
- Other examples of analytical method development pertain to particle size distribution, gravimetric, titration, ion chromatography, top and bulk densities along with thorough sample preparation methods.
- Operate and troubleshoot any laboratory/analytical equipment performance and related deficiencies as they become apparent with and/or without assistance of the manufacturer.
- Design and conduct experimental test work in relation to hydrometallurgical unit operations such as leaching, grinding, solvent extraction, ion exchange, cementation, electrorefining and electrowinning.
- Perform additional assignments and responsibilities as assumed or requested by the R&D Manager.

INTERPERSONAL SKILLS:

- Passionate about his/her work, hungry for results, and **possessing high energy** to tackle new challenges.
- Ability to work both independently and to work well with others providing advice and assistance to colleagues and multi-tasking sometimes under time constraints to meet deadlines.
- Strong organizational skills with a pro-active approach and **willingness to learn constantly**
- **Maintaining clean R&D testing and analytical environment/work place.**
- Strong problem solving skills and **a strong attention to detail**. Solution oriented with the ability to see the overall picture of the problem.
- Able to work both strategically and **'hands-on'** to overcome technical challenges, work based upon both written and verbal instructions and uses initiative and judgment in applying standard procedures.

TECHNICAL SKILLS:

- Carry out **experimental test work**.
 - a. Designing laboratory and pilot scale test work, reviewing analytical results, documenting the work. For all activities you will have support from a supervisor.
- Develop, follow and support a **laboratory quality control program** for both analytical and metallurgical test procedures using statistical techniques.
 - a. Preparing standard operating procedures (SOPs) for laboratory and analytical processes.
 - b. Capable of developing new metallurgical ideas and implementing them.
 - c. Prior experience with the operation of ICP, AA, and other equipment is requested.

ADDITIONAL PROFICIENCIES:

- Customer Service Functions
 - d. Facilitating the use of internal and outside analytical services due to specific equipment requirements or balancing of the workload for the in-house analytical equipment and/or laboratory technicians.
 - e. **Install, maintain, calibrate and operate laboratory equipment** (e.g. pH & conductivity meters, PSD analyzer, titration equipment, centrifuge, etc.).

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- f. Helping with the technology transfer and with the commissioning and start-up of new plant processes as well as improvements to existing plant processes.
 - g. Prepare samples for characterization techniques conducted in-house or externally (e.g. ICP, SEM, BET, PSD, XRD).
 - Organizational/Administrative Functions
 - a. **Write and disseminate technical reports** (including PowerPoint presentations).
 - b. Actively participate in analyzing operational problems, evaluating options to resolve issues, and recommending/implementing improvements to solve the problems.
 - c. Ensures robust, viable and transparent procedures and processes, including deliverables and timelines, exist and are clearly communicated for each project to the manager.
 - d. Attends project meetings, prepare project updates and interacts with clients as needed
 - e. Follows all quality system protocols and reports any discrepancies to the R&D Manager

HEALTH AND SAFETY:

- Follows all company health, safety and environmental policies and reports any discrepancies, incidents, accidents or concerns to his/her Manager and/or the Health, Safety & Environment Coordinator.
- Demonstrates good and safe work habits and maintains a clean working environment.
- Promotes a culture of 'safety first' in the lab at all times and is active in safety meetings and assisting in making the company a leader in safety performance.
- Participates in safety programs and attends training sessions as directed.
- Review and evaluate potential safety problems with existing or new projects (team effort)

EDUCATION/EXPERIENCE:

- Post-secondary education (CET, Senior Technologist, BSc) in a Metallurgy, Chemical Engineering or related program.
- **Minimum 5 years of operational experience** in a metallurgical or analytical chemistry laboratory.
- Prior experience in hydrometallurgy/inorganic chemistry/materials engineering is a strong asset.

- Hands-on experience in a chemical manufacturing plant environment and/or handling hazardous chemicals is another preferred attribute.
- Candidates should possess intermediate computer skills in various types of computer software (e.g. Microsoft Word, Excel, etc.) and the Internet.
- Demonstrates strong verbal and written communication skills in English.

Eligibility Applicants: Canadian citizens or Canadian residents

COMPENSATION & OPPORTUNITY:

Competitive compensation will be provided with unlimited career potential determined by personal commitment in a high growth environment. For further consideration, qualified Candidates are invited to submit their resume information in confidence to (please quote the File Reference number above):

Recruiting Manager

SHRP Limited

www.savinohrp.ca

hr@savinohrp.ca

While we appreciate all applications, we can only contact those individuals selected for interview.

We are committed to providing accommodation for persons with disabilities. Accommodation will be provided as part of our hiring process (if accommodation is required, we appreciate Applicants making this request in advance so we can support your needs).