RESEARCH LABORATORY TECHNICIAN

JOB DESCRIPTION

XG Sciences, Inc. is seeking a Chemical Lab Technician for the full-time position to assist with the evaluation and further development of various products including inks, paints, coatings, films, papers, and composites for variety of application with target properties in mechanical properties, electrical conductivity, thermal conductivity, dielectric property, abrasion resistance, barrier property, and/or corrosion resistance. The chemical lab technician will conduct laboratory experiments and tests in order to assist a scientist to determine feasibility of new applications and demonstrate product capability.

ESSENTIAL JOB FUNCTIONS AND RESPONSIBILITIES

The successful candidate will be expected to work in the laboratory on a variety of multi-disciplinary projects while focusing on developing new inks, paints, coatings, films, papers, and composites.  The candidate will perform experiments on a schedule within XG Sciences’ guidelines under the guidance of a technical director.

The possible tasks include:

* Set up and maintain laboratory equipment.
* Carry out experiments and gather data.
* Perform analytical tests.
* Participate in formulation and materials development.
* Design and develop custom instrumentation and hardware.
* Design and develop experimental protocols.

## REQUIREMENTS

The ideal candidate should have knowledge, skills, and abilities listed below:

* Bachelor’s degree in Chemistry, Materials Science, Chemical Engineering, or related field with more than 5 years of experience.
* Experience in analyzing solids, liquids and gases for research and development.
* Experience in chemical experimentation using techniques such as physical and chemical mixing and separation, coating, and curing to conduct experiments with different chemicals.
* Experience in handling chemical solutions including strong acids and bases.
* Experience in operating, cleaning, calibrating, and maintaining conventional analytical instrument such as DSC, TGA, Microscopes, Potentiometer, Permeability tester, Spectroscopy, Chromatography, and other general chemical lab equipment.
* Understand and maintain a safe and sterile laboratory environment.
* Excellent written and oral communication skills.
* Ability to function as a part of a team and work closely with other team members in a fast-paced, entrepreneurial environment.