LABORATORY TECHNICIAN

CAVU Group
Leominster, MA

Summary:

CAVU Group, a leader in the temperature solutions industry, is looking for a sharp, motivated, and meticulous Laboratory Technician (LT) to assist in the development of new materials and processes for scale-up into the company's products. As a CAVU LT, you are critical to our Research and Development department. The LT conducts tests on thermal solutions and/or their components, which includes materials R&D and thermal property characterizations. The LT should enjoy working in a smaller, fast-paced, entrepreneurial environment.

Primary Responsibilities:

- Characterize novel materials, including flexible film packaging, liquid phase change materials (PCMs), shape stable PCMs and materials used to impart shape stability.
- Formulate new materials using various mixing, blending and/or polymerization techniques.
- Identify, procure, and evaluate raw materials from manufacturers and/or suppliers.
- Utilize, monitor, and maintain laboratory equipment, and conduct minor trouble shooting.
- Manage laboratory documentation (e.g. TDS, SDS, CoA, CoC).
- Maintain a clean and safe laboratory environment.
- Monitor, update, and replenish chemical inventory and laboratory supplies.
- Generate reports and presentations that provide clear, concise results and conclusions.
- Manages multiple project tasks under the direction of the company business/technical staff.

Required Qualifications:

- Bachelor's degree in chemistry or similar technical discipline.
- Basic wet chemistry experience; must have superior hands-on skills.
- Self-starter with up to 3 years of industry experience in a laboratory / R&D setting.
- Experience with analytical balances, GC, DSC, UV-Vis, FTIR, TGA, pH, viscosity, density, moisture, and particle size analysis.
- Knowledge of laboratory safety best practices, including SDS cataloging, material storage, material disposal, inventory, and maintenance of related equipment.
- Experience with microscopic and/or general laboratory failure analysis.
- Effective written and oral communication skills, keen attention to detail.
- Organized, ability to prioritize job duties and remain proactive with a fluctuating workload.

Desired Qualifications:

- Bachelor's Degree in a hands-on laboratory based science, technology, or engineering discipline, with expertise in organic and/or polymer chemistry.
- Background/experience with HFM, LFD, HPLC, GC/MS and/or DMA.
- Knowledge in making thermoplastic/thermoset gels (e.g. physical gel and/or chemical gel: thermal, catalytic, UV, etc.).

- PCM development experience, including but not limited to: Organic, Inorganic, Form Stable/ Shape Stable, micro-encapsulated, including typical end use applications.
- Knowledge of modern plastic manufacturing processes, including injection molding, blow molding, thermoforming, film extrusion/lamination and rapid prototyping.
- Basic knowledge of Rubber/Elastomer chemistry
- Ability to use statistical methods and related software to analyze experimental data.

WORKING CONDITIONS:

Working conditions are normal for a laboratory environment with varying temperatures depending on the external climate and specific work cell. While performing the duties of this job, the employee is occasionally required to stand; walk; sit; use hands to finger, handle, or feel objects, tools or controls; reach with hands and arms; balance; stoop; kneel; climb; crouch or crawl; talk or hear. The employee must occasionally lift and/or move up to 30 pounds. Working in this environment may require the use of safety equipment such as chemical resistant gloves and eye safety glasses. Some mandatory overtime may be required.

EQUAL EMPLOYMENT OPPORTUNITY

CAVU Group provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.