



**Position:** Lab Technician

**Division:** Crimson Renewable Energy

**Work Location:** Bakersfield, CA

**Reports To:** Quality Control Manager

**Supervisory Responsibilities:** None

**Job Purpose:**

The **Lab Technician** is engaged in all facets of lab testing for raw materials, in-process/production, and finished product quality control in support of biodiesel and glycerin production operations. This position also plays an important role in troubleshooting production issues and simulating plant production processes.

**Essential Duties and Responsibilities include the following:**

- Perform multiple lab tests to support in-process and production quality control
- Lab testing of finished production lots and quality control certification
- Lab testing to troubleshoot processing problems, including lab simulation of existing and new production processes
- Documentation and management of test results and process simulation results
- Maintain a clean, neat and organized lab
- Maintain all lab equipment and troubleshoot as necessary
- Participate in meetings regarding production/operations, production and product quality control, and health and safety
- Perform all duties in manner consistent with environmental, health and safety policies and objectives

**Education and Basic Requirements**

- Bachelor's degree preferably or Associates in Chemistry or related field
- Able to read, write and speak English fluently
- Computer skills (Microsoft Word, Excel, Power Point, Email, ability to learn company-specific programs)
- Valid driver's license

**Experience and Job Skills**

- 5+ years' experience as lab technician or chemist
- Experience working with biodiesel, glycerin, oleo chemicals is a strong plus
- Experience working in Rendering industry (animal fats, used cooking oil) is a strong plus
- Experience working in an environmental and/or QC lab environment as a self-directed technician or chemist is a strong plus
- Experience working with the following:

- Gas Chromatography
  - Liquid Chromatography
  - Acid/Base Titrations
  - Karl Fischer Titration
  - Elemental Analysis (ICP, Sulfur, TOC)
  - Distillation
  - Spectroscopy
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- Experience simulating processes such as evaporation, distillation and filtration
  - Experience with instrument maintenance and automation of GC, HPLC, ICP, systems
  - Experience with quality control documentation and maintenance of test results
  - Experience working with laboratory information management systems is a plus
  - Able to communicate with internal company personnel and external vendors effectively
  - Able to work with minimal supervision and exercise independent judgment prior to consultation with supervisor
  - Must have a hands-on approach, strong work ethic and be highly motivated, self-directed type of individual

#### **Working Conditions**

- Exposure to heights, noise, extreme weather conditions, and areas where hazardous chemicals are present
- Must be able to work all shifts / schedules as needed
- Ability to adapt to changing situations and to handle competing demands with flexibility

Revised 6/25/18