

South Dakota Soybean Processors

Job Description

Title Lab Technician

Department Polyol Lab

Reports To Lab Supervisor

Supervises N/A

Revision Date 07-06-09

Objective To provide a high degree of willingness, accuracy and responsibility towards the innovation and production of soy polyols for research and day to day activities.

Essential job functions

Gas Chromatography

Learn how to run Varian 3800 GC with Galaxie software, prep samples for runs, calibrate standard curves, analyze and understand chromatographs

Data Entry

Enter data into database and Excel. Create charts and graphs. Use Word, Excel, PowerPoint, and Access.

Quality Control Testing

Run hydroxyl, moistures, viscosities, acid value, iodine value, and peroxide value for normal QC testing. Provide replicable number for COA's

Lab Maintenance and Equipment Checks

Calibrate machines, clean lab and glassware, Keep lab orderly and neat. Promote a safe environment. Have adequate PPE protection at all times.

Research

Learn protocols for testing, read journal articles applying to our research. Understand new test methods, acid-base titrations, redox titrations. Run a synthesis following instructions.

Foam

Run high speed mixer to create foam samples in cup. If needed by machine. Properly make Masterbatch. Record cream, gel, and rise times. Grade foam according to scale set in place.

Qualifications

Technical

1. High school diploma or equivalent
2. Must possess the ability to communicate both verbally and written
3. Basic math skills
4. Maintain a safe, positive work attitude. Must be self-motivated and able to work well with others. Must possess willingness to be team member.

Physical

1. Ability to frequently bend, squat, sit, stand, walk, use fine finger movements, and push/pull
2. Ability to occasionally crawl, climb, kneel, handle objects, and reach above shoulder level
3. Ability to frequently carry/lift light to moderate loads of 25-50 lbs. and occasionally carry/lift over 50 lbs.

Disclaimer

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not to be construed as an exhaustive list of all responsibilities, duties, and skills required of personnel so classified. All personnel may be required to perform duties outside of their normal responsibilities from time to time, as needed.