

Job Description

Job Title: Chemist/Materials Scientist 1
Department: Research and Development
Reports to: VP R&D or R&D Manager
FLSA Status: Exempt

PURPOSE OF JOB:

Support manufacturing/production in fabrication of materials to meet daily production needs. Support R&D as a contributing member for development of new products, process optimizations, tooling and fixtures.

MAJOR DUTIES AND RESPONSIBILITIES:

- Support manufacturing on the manufacturing line to fabricate materials. Must have good chemistry lab practices and general experience with hazardous chemical handling (storage and disposal).
- Working in a fume hood and glove box.
- Perform/interpret routine analytical testing for chemical and materials characterization (Differential Scanning Calorimetry (DSC), Fourier Transform Infrared Spectroscopy (FTIR), mechanical testing)
- Study design and developing/generating test protocols.
- Execution of test protocols and authoring final test reports.
- Scientific literature review and search and interpreting results.
- Data analysis utilizing appropriate statistical methods/techniques.
- Design and develop manufacturing processes for new products, product changes and enhancements, and related tooling and fixtures which are consistent with a zero defect level as well as low product cost
- Create and maintain engineering drawings in coordination with the Quality Assurance and R&D functions
- Support prototype and pilot production of new products, product changes, and enhancements in coordination with the Manufacturing and Quality Control functions
- GMP compliance in coordination with the Document Control, R&D, and Quality Assurance functions
- Complete accurate and timely manufacturing documentation including manufacturing procedures, materials records, etc.
- Support company goals and objectives, policies and procedures, Good Manufacturing Practices, and FDA regulations
- Ensure that all regulatory and internal policies are followed

EDUCATION/EXPERIENCE REQUIREMENTS:

- BS/BA in Biological Sciences, Chemistry, Materials Science, or Engineering
- 0-2 years medical device or pharmaceutical experience
- Experience with polyurethane synthesis or general polymer synthesis is a plus
- Excellent communications, writing, and time management skills required
- Working knowledge of MS Office Suites

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee is regularly required to stand, walk and sit for extended periods of time. Occasionally the employee will be required to lift or move at least 50 pounds.

CONTACT:

Marziya Hasan, PhD
marziya@shapemem.com