POLY-MED, INC.

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Part A - General Position Information

Job Title:	Department Name:	Reports to:	FLSA Status:
Analytical Chemist	**Engineering Solutions**	**Manager, Engineering Solutions**	**Exempt**

Part B – Company Information

About Us:

Poly-Med is the leading developer of bioresorbable polymers and fibers. We help innovative medical device companies focused on improving patient outcomes. Poly-Med designs, develops and manufactures superior materials to get customer products to market in the most efficient manner with the greatest improvement to quality of life. Located in Anderson, South Carolina, Poly-Med, Inc. has been recognized as a leader in the industry for over 20 years. Poly-Med continues to grow in a multitude of medical device modalities. Our novel materials are key in actively enabling products such as vascular stents, hernia meshes, dental delivery systems, and wound closure applications in the worldwide medical device market.

For additional information, visit our website at www.Poly-Med.com.

Our Team:

We employ a widely diverse team comprised of experts from material science, chemistry, chemical engineering, mechanical engineering, bioengineering, biology, business marketing, and project management to create a work environment focused on solving tough medically related problems. Our team is energetic, resourceful, and, above all, collaborative. We are searching for like-minded talent to build on our success and continue our quest to improve patient outcomes through novel polymeric and drug delivery systems.

Part C - Position Information

Description:

This position will implement product design and process development activities with compliance to all quality and regulatory requirements. This is a full-time, on-site position. This role is an Independent Contributor role. There are no direct reports for this position. Interaction is potentially with all levels of the organization.

Responsibilities:

- Interface with customers, suppliers, and internal cross-functional team members to develop specifications, coordinate prototype fabrication of customer designed parts, and transition prototypes into manufactured components.
- Project member for new design and development teams of drug delivery polymers and devices.
- Provide technical expertise to improve process efficiency/product quality.
- Support new equipment/process implementation.
- Develop test methods for evaluation of new products.
- Conduct process and/or test method validation activities.
- Create and analyze prototype products.
- Design experiments and conduct analytical experimental work to provide data based conclusion about a process or product performance.
- Recommend and rationalize specifications for development products.
- Assists in training personnel for transfer of methods from Engineering Solutions to Quality Control.
- Assist with implementing corrective actions (CAPA) with QA.
- Procure new testing and manufacturing equipment using IQ/OQ/PQ process validation techniques.
- Operate processing equipment in a specific process area.
- Conduct analytical techniques with the ability to interpret results for project recommendations.
- Assist in creation of publishable research findings in the form of abstracts, papers and grants.
- Support patent filing and claims.

- Write technical reports detailing procedures, outcomes, and observations.

Required/Preferable Knowledge, Skills and Abilities

- Prior experience with high-performance liquid chromatography (HPLC) in equipment operation, method development and interpretation of data.
- Ability to design experiments and evaluate data using polymer characterization/analytical techniques (viscosity, GPC, DSC, SEM, mechanical testing etc.)
- Prior experience with medical and/or pharmaceutical grade materials preferred, especially bioabsorbable/bioresorbable materials.
- Prior experience in formulation development and material synthesis.
- Prior experience in *in vitro* degradation and release studies and corresponding sample preparations for analysis.
- Prior experience working in an ISO 9001, ISO 13485, or GMP facility.
- Prior experience with performing test methods in accordance with USP, FDA, and/or ASTM standards.
- Prior experience with conducting literature and patent searches.
- Ability to handle confidential business information.
- Understanding of statistical methods and associated statistical analysis software. Preferred experience with Minitab.
- Understanding of cause-effect relations between process inputs and product specifications.
- Understanding of the effect of a process on downstream steps or customer needs.
- Utilization of Microsoft Office (Excel, Word, PowerPoint) for project execution and internal communication purposes.

Education/Experience Requirements:

Required- Bachelor's Degree with 3+ years industry experience

Preferred- Advanced Degree (M.S. or Ph.D.) with 0+ years' industry experience

Example applicable degrees include: Chemistry, Pharmaceutical Sciences, Chemical Engineering, Biology, Bioengineering, and Materials Science

Environmental Requirements:

- Must be able to adapt to indoor work environment.

Physical Requirements:

☒	Sitting
☒	Standing
☒	Walking
☒	Climbing/Balancing
☒	Reaching – with Arms and Hands
☒	Stooping/Kneeling/Crouching/Crawling
☒	Talking
☒	Hearing
☒	Feeling/Touching
☒	Vision – Close, Peripheral, Depth, Ability to Adjust Focus
☐	Other:

If you are interested in working with us, please email your resume; tell us a little about who you are and what makes you want to join our team to recruiting@poly-med.com.