

Job Opportunity: Philips Electronics-Chemical Process Engineer

PROCESS ENGINEER - Bothell, WA

Summary:

Responsible for the process development, scale -up, and technology transfer of new products for new product development projects for semi-solid, liquid and solid products. Main focus on Oral Healthcare projects.

The Chemical Engineer is a pivotal role that manages the process development, scale –up, and technology transfer of new chemical products for projects related to semi-solid, liquid and solid dose forms. Main focus on Oral Healthcare projects. This includes working with marketing, internal business groups (PCD, NPI, Quality, etc.), 3rd party vendors, and the markets/sales organizations. This fulfills a key part of the product introduction process as well as portfolio improvement opportunities.

Key Areas of Responsibility

- Lead the manufacturing scale-up of development batches, conduct technology transfer of new products in to commercial manufacturing facilities, and implement cleaning verification/validation of process equipment needed, to required cGMP and Health & Safety standards.
- Lead the manufacture of new products at pilot plant scale to supply product for use in pivotal stability and commercial trials. Write and/or review/authorize GMP-critical documentation, such as experimental reports, validation protocols, batch records, development and technology transfer reports.
- Lead the scale-up/down from pilot to commercial scale, developing an understanding or developing scale-up rules that can be used by other engineers.
- Develop processing equipment understanding/characterization at different scales to assist in development of scale-up models.
- Develop an understanding of how key quality attributes can be influenced by processing and can therefore be controlled.
- Plan and implement process development experiments at laboratory and/or pilot plant scale, using tools such as DoE and report the results.

Requirements

- BSc or MS degree in Chemical /Process Engineering or relevant disciplines.
- Minimum 5 - 8 years progressive directly related experience
- Competent at problem solving and understanding processes through applying fundamental scientific and engineering principals.
- Demonstrated ability to design, develop, and scale up processes from pilot plant scale to full scale manufacturing
- Demonstrated understanding of process validation principals.
- Good mathematical ability-statistic and design of experiments (DoE) experience will be an advantage.
- Excellent communication and team working skills, able to interact with people at all levels from site floor operators to management.
- Capable of planning, executing and delivering complex manufacturing campaigns within specified

timeframes.

- Comfortable operating process equipment and an ability to quickly learn new equipment.
- Demonstrated flexibility: ability to adjust working plans and manage time to accommodate the dynamic nature of real-life projects.
- Able to manage work load (includes time management) and build working relationships within multifunctional teams.
- Experience working in a related environment (Pharmaceuticals, Consumer Healthcare or Oral Care sectors).
- Experience in the application of Quality by design principals, Operational excellence (OE) or Value Engineering (VE) experience.

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Qualified applications should apply online at careers.philips.com. Search Job Number 036054