

Job Description

Department	Particle Science and Engineering (Process R&D)
Positions (1)	Sr Manager- Particle Science and Engineering
Reports to	Head of Particle Sciences and Engineering
Summary of Job <p>To be responsible for designing, planning and execution of crystallisation processes for API, intermediates and starting material, using sound scientific principles of particle formation & PAT tools. Also, responsible for taking crystallisation and particle size reduction processes from R&D through pilot and manufacturing scales. To work closely with process R&D, process engineering & analytical teams to ensure the development of robust crystallisation processes &/or provide technically sound solutions to existing processes.</p>	
Key Responsibilities <ol style="list-style-type: none"> 1. Ability to design, plan and execute scientifically sound crystallization processes. 2. Ability to collate and scientifically present the data & observations, and provide scientific inputs in discussions with internal or external customer. 3. In-depth understanding of the scientific basis of controlled crystallization (solvent screening, evaluation of solubility and MSZW) and PAT tools in crystallization process development and particle engineering studies. 4. Ability to deliver & transfer crystallisation processes for starting materials, intermediates and APIs developed on sound scientific rationale to Kilo-Labs, pilot scale or manufacturing campaigns. 5. Have good understanding on achieving particle size reduction using crystal and particle engineering. 6. Have a reasonable understanding of physical property characterization and analytical data and ability to interpret the same. 7. Ability to work in collaboration with Process R&D and Process Engineering as part of project CFTs and to provide technically sound solutions on crystallization and down streaming unit processes. 8. Attending client TC and responding to the queries appropriately. 9. Proactively maintain the equipments, facility and supporting systems as per established Good lab handling processes, maintain requisite equipment and process SOPs and lean tools 10. Follow good documentation practices and has adequate exposure to record observations in Electronic Lab Notebook (ELN). 11. Proactive in aligning with new technologies and approaches to participate in continuous improvement needs of the business. 12. Follow environment, health, and safety (EHS) requirements at all times in the workplace ensuring individual and lab/plant safety. 	
No. of Reportees	1-3
Qualification	M.Sc. Organic Chemistry, Pharmaceutical Chemistry, Pharmaceutical Sciences with relevant specialisation
Experience	12-18 years

Key Competencies (Technical, Functional & Behavioural)

Technical & Functional

- Sound experience of crystallization and/or particle engineering– especially in the design & execution of the crystallisation processes of novel raw materials, intermediates and APIs; and translating process from R&D to scale.
- Demonstrated capability in handling core crystallization techniques, equipments and exposure to APT tools.

Behavioural

- Aptitude to learn and excel.
- Proactive in technical & operational space.
- Ability to work in cross-functional team environment.
- Ability to contextualise the observations and attention to detailing.
- Effective communication skills and absorbing attitude.