

UTTAM KUMAR CHAKRAVARTY

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PROFESSIONAL SUMMARY

Innovative and results-driven packaging scientist with over 15 years of experience in pharmaceutical packaging development, lifecycle management, and regulatory compliance. Proven expertise in sustainable packaging solutions across diverse dosage forms including Injectables, OSDs, and combination products. Adept at leading cross-functional teams, managing global packaging programs, and aligning technical execution with strategic business goals. Recognized for delivering patient-centric, cost-effective, and compliant packaging strategies for domestic and international markets.

CORE COMPETENCIES

- Strategic Packaging Development & Lifecycle Management.
- Sustainable Packaging Solutions & Material Science R&D.
- Regulatory Documentation for Dossier submission (ANDA, FDA, EMA) & Compliance.
- Design Verification, Risk Assessment & Usability Testing.
- Cost Optimisation (COGS), FAT/SAT & Market Complaint Resolution.
- Cross-functional Leadership & Global Stakeholder Collaboration.
- Technical Report Writing, DoE, and Data Analysis.
- Specification Drafting, SOPs, SAP and Master data creation and Change Control Management.
- BOM, KLDs, Pack finalisation, Pallet optimisation, Artwork Development of Primary, secondary & Tertiary components.

WORK EXPERIENCE

• Senior Scientist – Sandoz Private Limited, Hyderabad, India

November 2022 – Present

- o Lead packaging innovation across R&D and commercial functions with a focus on sustainability.
- o Manage global development of Injectables, OTC, OSDs, and combination products.
- o Oversee design control processes including risk assessments, verification, and usability testing.
- o Lead cross-functional design reviews, finalize KLDs, and manage artwork development and approvals for proposed commercial components, shade card approval, while ensuring regulatory compliance across markets.
- o Led the development and implementation of product packaging strategies, ensuring alignment with regulatory standards, quality benchmarks, and commercial objectives. Partnered with external collaborators and CROs to maintain full compliance with FDA guidelines throughout the process
- o Facilitate cross-functional design reviews, assembly and packaging activities ensuring adherence to relevant standards and regulatory requirements.

• Packaging Engineer – Piramal Pharma Limited, Hyderabad, India

September 2018 – October 2022

- o Directed packaging development for regulated markets, Artwork and KLDs, optimizing design and material selection.
- o Led lifecycle management for OSD, Liquid, injectables, anaesthesia products, and dosing syringes.
- o Coordinated global teams across India, EU, and US for regulatory and commercial alignment.
- o Oversaw design verification, validation, and compilation of DHF; supported successful FDA and EU submissions.

• Scientist– Dr. Reddy's Laboratories Ltd., Hyderabad, India

September 2014 – August 2018

- o Managed packaging development for multiple dosage forms and global launches.
- o Led combination product development including pre-filled and dosing syringes.
- o Collaborated with device partners and CROs to meet ISO and FDA standards.
- o Oversaw prototyping, Artworks of packaging components, BOM, KLDs, assembly, and packaging operations for commercial launch and regulatory submissions.
- o Contributed to risk analysis, design input/output documentation, packaging and verification testing.
- o Managed Internal and external partners for assembly & packaging, prototyping, and manufacturing.

• **Senior Executive – Mylan (Viatris) Laboratories Limited, Nashik, India**

January 2012 – August 2014

- o Supported packaging design and implementation with a focus on quality and efficiency.
- o Assisted formulation teams with packaging innovation, material selection, stability testing, artwork development and approval, packaging material specification preparation.

• **Research Associate – Cadila Pharmaceuticals Ltd., Ahmedabad, India**

June 2010 – December 2011

- o Assisted formulation teams with packaging innovation, material selection, and stability testing. Contributed to packaging development initiatives, supporting formulation teams with innovative packaging solutions, material selection, and testing to ensure product stability and regulatory compliance. For new product artwork development and approval, packaging material specification preparation and approval.

EDUCATION

- Post Graduate Diploma in Packaging Technology and Management from Indian Institute of Packaging Mumbai, India. (2008 -2010)
- Bachelor of Pharmacy from Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, India. (2004 - 2008)
- **Certificate course:**
- Six Sigma White Belt Certificate in Project management
- Pharmaceutical and Medical Device Innovations
- Supply Chain Planning

TECHNICAL SKILLS

- ***Quality & Risk Management:***
 - o Track Wise, CAPA, Verification & Validation, Risk Assessment
 - o ***Regulatory & Compliance:***
 - o Technical report writing for regulatory Submission
- ***Document and Lifecycle & Management:***
 - o Specification & SOP
 - o User requirements specification, Design Inputs/Output, prototyping
 - o Change Control, Design Transfer
- ***Computer proficiencies :***
 - o SAP , AutoCAD

INDUSTRY EXPERTISE

Packaging Process:

- Vials & Ampules/ Blister / Bottle Packaging, Automated Visual Inspection, Track & Trace, Palletization

Packaging Machinery:

- Vial Filing and Packing line: BOSCH
- Bottle/Blister / Carton /Shrink bundling packing line (CVC and Countec / ACG-PAMPACK, IMAPG)

Packaging materials:

- Rigid Packaging - Plastic Container/closure, Glass Container, Vials, Rubber stoppers, Syringes, Blister Trays, Blister Foils (Cold form, Thermoform, CR foils), Paperboard, Backing Cards & printed packaging materials.

DECLARATION

I hereby declare that all the information mentioned above is true to the best of my knowledge.