

# INDUSTRIAL VISIT : REPORT



CPN



# RÈVE PHARMA



# ACKNOWLEDGMENT

Under the prescribed syllabus of PCI, students of B.Pharm (3rd Year) were required to prepare an industrial report under the subject Industrial Pharmacy, to enhance their understanding of real-world pharmaceutical manufacturing practices.

It was our great pleasure to visit REVE Pharma Pvt. Ltd., located at STICE, Plot 78, Musalgaon Industrial Area, Sinnar, Maharashtra. We sincerely thank the entire REVE Pharma team for their cooperation, guidance, and the practical insights they shared during the visit.

We express our heartfelt gratitude to:

- Mr. Milind Katariya (Co-Founder & Owner)
- Mrs. Anjali Katariya (Founding Partner)
- Mr. Rahul Pawar (Assistant Manager – Maintenance)
- Mr. Pravin Dhanrale (Executive Assistant)

We also thank our subject teacher Mrs. Ashwini Bachhav for her guidance and support throughout the preparation of this report.

Team Leader: Sai Kalamkar

Team Members: Kshitija, Rajshree, Yash, Suyog, Samruddhi

# PURPOSE OF THE REPORT

To present a detailed industrial assessment of REVE Pharma, focusing on its manufacturing capabilities, quality systems, and overall operational performance.

## ▶ CONTENT

- ▶ 1. Objective
- ▶ 2. Introduction
- ▶ 3. Raw Material Store Room
- ▶ 4. Granulation Room
- ▶ 5. Compression Section
- ▶ 6. Coating Section
- ▶ 7. Quality Control Section
- ▶ 8. Packaging Section
- ▶ 9. Storage Room
- ▶ 10. Conclusion

# INTRODUCTION

➤ As a part of the Industrial Pharmacy curriculum, our institute organized a visit to REVE Pharma Pvt. Ltd. at Musalgaon, Simar. During this visit, we observed the manufacturing of:

- • Tablets
- • Capsules
- • Balms
- • Cosmetic products
- • Ayurvedic oils & extracts

➤ This visit helped us understand practical manufacturing processes, machinery operations, documentation, and quality systems essential for pharmaceutical production.

# SCOPE OF THE REPORT

This report covers:

- Solid dosage formulations (tablets, capsules)
- Liquid and semi-solid formulations (syrups, oils, creams)
- Ayurvedic standardized extracts
- Cosmetics and personal-care products
- Quality Control & Quality Assurance departments
- Packaging and Warehousing
- Engineering, Utility Systems & EHS compliance

## METHODOLOGY

- The content of this report is based on:
  - Plant tour & observation
  - Demonstrations by technical staff
  - Review of SOPs and batch manufacturing processes
  - Discussions with production, QC, QA, and maintenance teams

# RAW MATERIAL AND HANDLING



# RAW MATERIAL STORAGE & HANDLING

REVE Pharma uses a wide range of high-quality raw materials for modern, Ayurvedic, and cosmetic formulations.

Key Highlights:

- ✓ Vendor Selection
- Raw material quality begins by selecting approved and trusted vendors.
- ✓ Herb Testing
- Natural herbs are tested via HPTLC (High-Performance Thin-Layer Chromatography) to ensure purity and compliance with pharmacopeial standards.
- ✓ Essential & Base Oils
  - Tusi Oil
  - Sesame (Teel) Oil
  - Other therapeutic essential oils
- ✓ Cosmetics Raw Materials
  - Skin-safe certified ingredients
  - Natural extracts (up to 98% natural in some formulation)
  - Vegetarian-friendly formulations
  - No parabens, silicones, sulfates, or harmful pollutants
- ✓ Quality Systems
  - Barcode-based traceability
  - Raw material quarantine and approval area
  - Spectroscopy-based testing
  - Compliance with USFDA and WHO heavy-metal limits



# GRANULATION ROOM

- ▶ GRANULATION ROOM (Solid Dosage)
- ▶ Granulation converts fine powders into granules for uniform tablet compression.
- ▶ Types Used:
  - ▶ ✓ Wet Granulation (High-shear mixer)
  - ▶ ✓ Dry Granulation (Roller compact)
- ▶ Process Steps:
  - Mixing API + excipients
  - Binder solution addition
  - Sieving & screening
  - Drying using Fluid-Bed Dryer
  - Blending



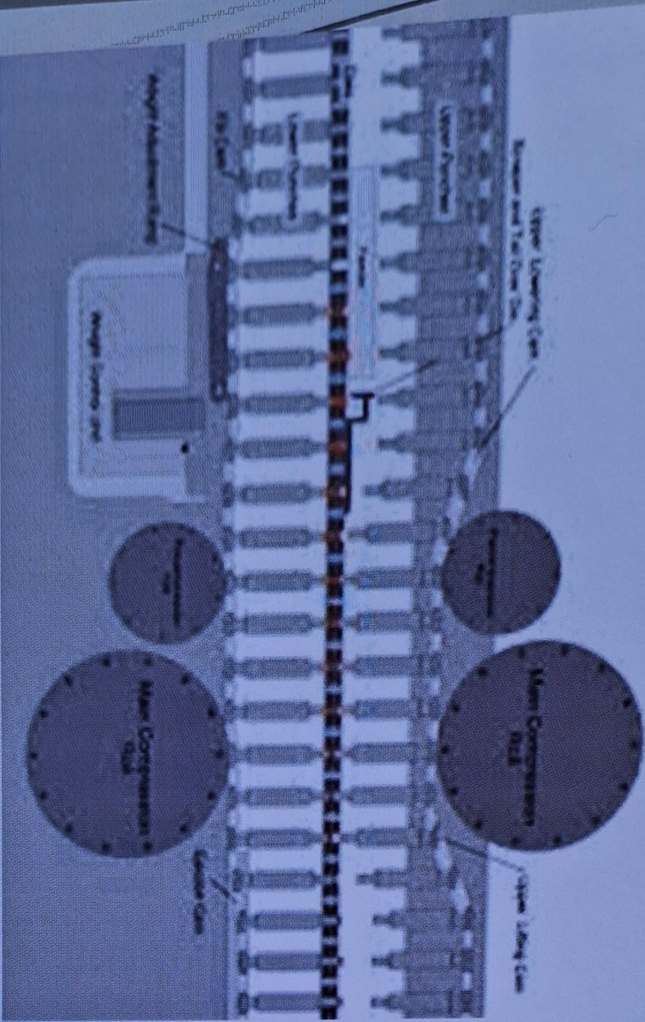
Automated systems ensure uniform particle size, flowability, and compressibility.



# COMPRESSION SECTION

- This section converts granules into tablets.
- Key Features:
  - High-speed rotary tablet compression machine
  - Automatic weight control system
  - Metal detectors for contamination prevention
- In-process checks:
  - ✓ Hardness
  - ✓ Thickness
  - ✓ Weight variation
  - ✓ Friability
- Ensures consistent strength and accurate dosage.





# COATING SECTION

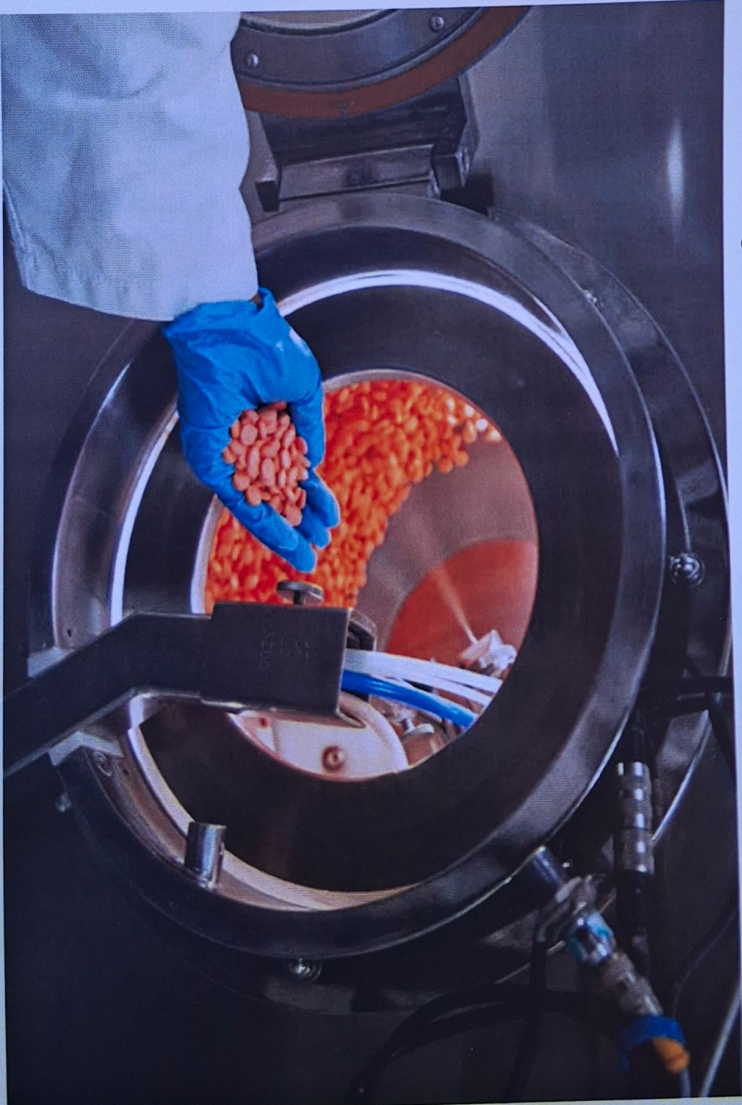
Tablet coating is performed using fully automated coating machines.

- Purpose of Tablet Coating:
  - Protects drug from environment
  - Increases stability
  - Improves taste & appearance
  - Controlled or sustained release
  - Prevents moisture absorption

Coating Process Includes:

- Tablet loading
- Spray coating
- Drying
- Polishing
- Discharge

Air temperature and spray rate are controlled electronically.



# QUALITY CONTROL (QC) AND QUALITY ASSURANCE (QA)

- ✓ QA – Process-oriented
- Ensures defects do not occur.
- Documentation review
- GMP audits
- Validation oversight
- Deviation & CAPA management
- ✓ QC – Product-oriented
- Ensures defects are detected & eliminated.
- Testing includes:
  - HPLC testing
  - Dissolution testing
  - Disintegration time
  - Assay of active ingredients
  - Microbial testing
  - Stability studies
- QC releases finished batches only after all standards are met.



# PACKAGING SECTION

Packaging ensures product safety, identity, stability, and traceability.

- Main Functions:
  - Product protection
  - Tamper-evident sealing
  - Batch printing & labeling
  - Barcode/RFID traceability
  - Primary packaging: blisters, bottles, tubs
  - Secondary packaging: cartons
  - Tertiary packaging: shipping boxes
- Automated filling and labeling machines improve consistency and reduce errors.

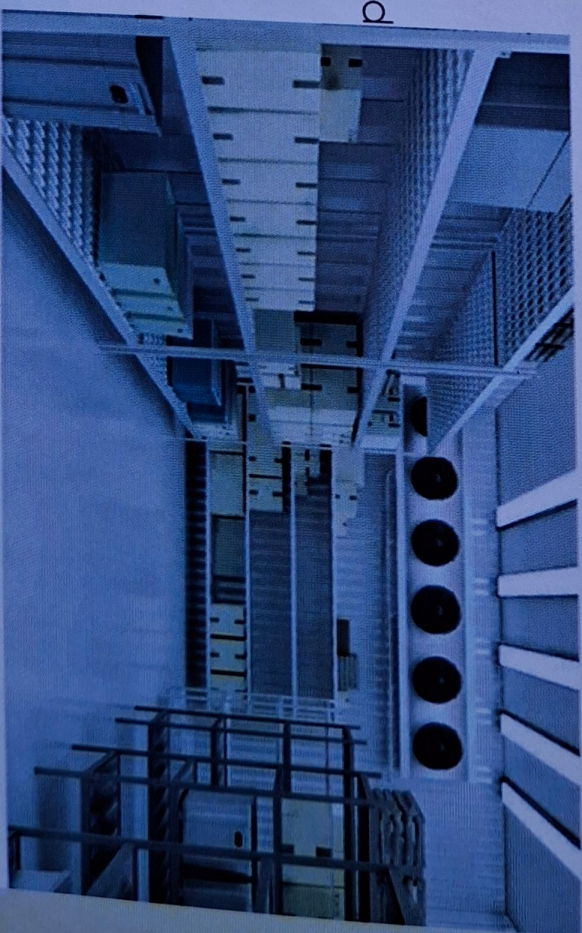




# STORAGE ROOM

A highly controlled environment where materials and products are stored under GMP conditions.

- ▶ Types of Storage:
  - Cold Storage (Vaccines, biologics)
  - Ambient Storage (Tablets, capsules)
  - Gowning/Changing Rooms
  - Stability Chambers for long-term product studies
- ▶ General Requirements:
  - Controlled temperature & humidity
  - Secure access
  - FIFO and FEFO principles
  - Environmental monitoring
  - Clean, well-organized racks



Thank  
you!