

REPORT ON INDUSTRIAL VISIT

At

ZENTIVA, ANKLESHWAR



6211, Phase 5, G.I.D.C., Industrial Estate, Ankleshwar, Bharuch, Gujarat – 393002

Date: 3rd January, 2025



UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

Gopal Vidyanagar, Bardoli-Mahuva Road, Tarsadi, Surat, Gujarat -394350.

Report on industrial visit to Zentiva, Ankleshwar

Date of visit – January 3, 2025

Place of visit	Zentiva, Ankleshwar
Coordinators from college	Dr. Pintu B. Prajapati
Approved By	Dr. Shailesh Shah, Principal
Participating students	22 students from First Sem M.Pharm (Pharmaceutical Quality Assurance, Pharmaceutics & Pharmacology) Boys- 9, Girls- 13
Accompanying faculty members	Dr. Hetal Patel and Ms. Yashwini Kansara
Coordinators from industry	Mr. Atul Jivani- HR department Mr. Jagannath Varma- production manager, and Mr. Ashish Gupta- QA manager

The Industrial visit to Zentiva, Ankleshwar was organized by Maliba Pharmacy College on 3rd January 2025. The visit was coordinated by Dr. Pintu B. Prajapati, Faculty of MPC. Twenty-two first-semester M. Pharm students and two faculty members, Dr. Hetal Patel and Ms. Yashwini Kansara, visited the industry. The students were fortunate enough to get an opportunity to see the plant approved by domestic and international regulatory authorities. The students began their journey at 5:00 am from Navsari and reached their destination at 09:00 am. After completion of the security check and registration of students at the main gate Mr. Atul Jivani, the HR department of Zentiva, welcomed the group and provided a comprehensive overview of the industry. He discussed job prospects for pharmaceutical students and offered insights into the working culture at Zentiva.

Two employees, Mr. Jagannath Varma- production manager, and Mr. Ashish Gupta- QA manager engaged the students in a detailed discussion about the various unit operations involved in the manufacturing of solid dosage forms. This insight into the manufacturing processes was valuable for the students. The plant layout; material as well as men flow; sensitization and gowning procedure were explained in detail to the students before entering the premises. After wearing a visitor's apron, shoe covers and caps, the students were allowed to enter the area. The raw material warehouse, production (formulation) and QA & QC areas were explained by Mr. Jagannath Varma- production manager, and Mr. Ashish Gupta- QA manager

The Following things were explained in detail in the warehouse:

- a. Raw materials and packaging material flow
- b. Labeling to indicate the status of material and label detail
- c. Storage
- d. Window to transfer the material from warehouse to production
- e. Software for digital data maintenance.
- f. Men flow

The Following things were explained in detail in the production area:

- a. MRO (material request order) and dispensing
- b. washing area
- c. Cleaning and validation
- d. Documents like BMR, SOPs, etc.
- e. granulation process steps, mechanism, and equipment such as wet granulation and dry granulation
- f. the sampling technique for IPQC test
- g. Tablet compression process and machine
- h. Special precautions for light-sensitive materials,
- i. Tablet defects due to compression variation and its remedies
- k. Tablet sorting operation
- l. Sorting and packaging operation: primary packaging area

The Following things were explained in detail in the analysis department:

- a. Documentation
- b. Equipment for analysis like HPLC, GC, dissolution apparatus
- c. Stability chamber.

At the end, all the students and faculties gathered again in the dining area at 1:30 pm and arrangements for lunch were made by Zentiva. Mr. Jagannath Varma- production manager, and Mr. Ashish Gupta- QA manager were given a token of appreciation by Dr. Hetal Patel and Ms. Yashwini Kansara. The fruitful visit of Zentiva, Ankleshwar was ended cheerfully by clicking a group photograph at the reception area at 2:30 pm.

Overall, the industrial visit to Zentiva was an enriching experience that exposed students to real-world pharmaceutical manufacturing processes and provided valuable insights into the industry's working culture. This visit was made possible through the efforts of Dr. Pintu B. Prajapati and the support of Maliba Pharmacy College.



Group photo of students at entrance of Zentiva., Ankleshwar