

Setting... New Benchmark in Pharmaceutical Manufacturing



Mimulus Laboratories Private Limited

- ❖ Mimulus is professionally managed pharmaceuticals **GMP Certified** formulation company manufacturing Non-beta lactam Tablets, Capsules.
- ❖ An Indian based manufacturing company with unit at Kambur, Tamilnadu, committed to **“Deliver Quality Products”**
- ❖ Mimulus in its quest to be a leader in manufacturing has established a new state of the art world class manufacturing cum formulation research and development plant at Kambur Village, Tamilnadu catering to Indian and global market.



Board of Directors



MR. V. KUMARAKRISHNAN
Managing Director



MRS. SANTHANALAKSHMI
Director



MR. K. JANESHWAR
Director



MR. SEKAR KOTHANDARAMAN
Director



Core Management Team



Sekar Kothandaraman
Director

Experience:

Having 30 years Pharmaceuticals Industry experience in various position from Mid Level to Business Head in Organization Ordain Healthcare, Exeltis India, Dr. Miltons Labs.

Portfolio:

Plant Operation, Finance, Commercial, Corporate Affairs, Business Development, Human Resources, Warehouse & Projects



J. Gopalakrishnan
Chief Technical Officer

Experience:

Having more than 23 years professional experience in pharmaceuticals Production, formulation research & Operations in Organization like Apex Laboratories, Exeltis India, Dr. Miltons Labs & Overseas

Portfolio:

Production, QA, QC, FRD, ARD



K. Janeshwar
Director

Experience:

Having 9 years rich experience in Finance & Logistics in Pharma Industry.

Portfolio:

Handling Finance & Logistic



K. Ravikumar
General Manager-Admin

Experience:

Having more than 20 years experience in various Industries mid and senior levels.

Portfolio:

General Administration & Engineering



Our vision is to be a leading pharmaceutical manufacturing company in India by providing high quality, affordable and unique products to our customers



We will develop and deliver the products in market with total customer satisfaction and achieve leadership in the Pharmaceuticals Industry in India across the globe, through excellence in technology, based on research and development.



We the Employees of **Mimulus Laboratories** are committed to being very aggressive in our attitude towards **“Timely Achievement of Task”** with **“Uncompromised Quality”** in everything we do Everywhere...Every time.

We commit ourselves to adjust and adopt to the changing needs, Strive for Constant, continuous Improvements and Innovations in everything we do to meet and exceed **“Quality”** expectations of all of our Customers.



Plant Highlights

Designed to meet the Global cGMP norms

- ❖ Pollution free green environment in a plot of **26476 square meter (284882 Sqft)**.
- ❖ Built up area of **4140 square meter (44550 Sqft)**.
- ❖ Equipped to manufacture non-betalactum, non-steroidal oral solid dosage forms of both tablets & capsules
- ❖ Installed capacity of **375 Millions Tablets & 180 Millions Capsules**
- ❖ Automated and advanced technology in all process across infrastructure.
- ❖ Quality Everywhere, Every time
- ❖ Exquisitely engineered utilities.
- ❖ Environment norms as per global standard.



Formulation Research & Development

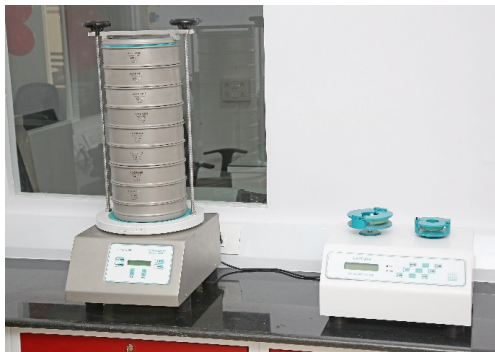
Designed to develop all kind of oral dosage forms



- ❖ The state of the art formulation development lab with different scaling options.
- ❖ A miniature of the production department from granulation, compression, coating, encapsulation to packing.
- ❖ Development batches as low as 1 kg up to 5 kg.
- ❖ Qualified and experienced team focused to develop and technology transfer product of oral solid dosage forms capsules and tablets.
- ❖ Capabilities include development of tablet in single layer, bi-layer, un-coated, coated, dispersible, sustained, delayed release, sublingual and tablet in capsule formulations.
- ❖ Equipped to handle various formulation processes including direct compression, aqueous and non-aqueous granulation.
- ❖ Fully supported by an exclusive sophisticated analytical developmental laboratory.

Analytical Research & Development

Designed to develop In-house analytical methods



- ❖ Experienced and competent staff to develop, analytical methods in-house for every formulation developed by the formulation development lab.
- ❖ Equipped with HPLC, UV, Spectrophotometer, exclusive wet lab and multi basket dissolution apparatus with auto sampler.
- ❖ Walk in stability chambers provide periodical, both real time and accelerated stability studies as per ICH guidelines.
- ❖ Suitable for technology transfer of products and new formulation development
- ❖ Guaranteed consistency of the product quality, every time.
- ❖ Well documented validation of analytical methods.
- ❖ Best industry documentation practices.

Quality Assurance

Designed to deliver product of
Uncompromised Quality Everywhere, Every time

Quality
Policy

Quality
Manual/QSP

SMF/VMP/Validation
Protocols

Department Manuals, SOPs and
All Master documents

Records, Registers, Log Books

- ❖ Well qualified personnel with rich expertise committed to deliver uncompromised quality.
- ❖ Quality management system conceived as per the cGMP requirements.
- ❖ Stringent quality procedures and controls on the entire product life cycle from development to shelf life.
- ❖ Covers all the critical quality assurance tools like facility qualification, equipment qualification, vendor qualification, product release, trend analysis, self inspection, market complaint, product recall, out of specification, out of trend, and annual quality review.
- ❖ Established documentation practice covering, incident reporting, deviations, change controls and CAPA.
- ❖ Validation is an integral part of quality assurance, associated with every product, system and process.
- ❖ Training of all employees for cGMP awareness on a continual basis.

Warehouse

Designed to store all products under all conditions



- ❖ Storage conditions conforming to cGMP norms to ensure quality throughout the shelf life of all materials.
- ❖ Stores active raw materials, diluents, packing materials, and finished goods under controlled temperature and humidity as per specific requirement.
- ❖ The material transfers through hoist and pass box to hold area.
- ❖ Sampling and dispensing of materials carried out under laminar air flow in class 100.
- ❖ Quarantine, under test, approved and rejected materials stored in a segregated area.

Quality Control

Designed as per Good Laboratory Practices



- ❖ Qualified and competent personnel with sophisticated infrastructure forms the back bone of the quality control.
- ❖ Exclusive chemical, instrumentation and microbiology labs, for the testing of API, excipients, packaging, in-process materials and finished drug products.
- ❖ Furnished with automated and most ultra-modern apparatus.
- ❖ HPLCs ensures simultaneous analysis of multiple products.
- ❖ Periodical monitoring to achieve the environmental compliance as per the GMP norms.
- ❖ Continuous review of stability data for the entire shelf life through 5000 liters Walk-in Stability Chamber for real time and 1000 liters movable chamber for Acc as per ICH specification
- ❖ The 24/7 Air conditioned retention sample room under prescribed storage conditions for quality audit of all products at any time.



Microbiology

Designed for microbial analysis as per cGMP norms



- ❖ Dedicated microbiology lab for monitoring of microbial contamination from API to finished products.
- ❖ Microbial limit testing and validation of purified water and compressed air system at all stages.
- ❖ Incubation of environmental monitoring samples on continual basis.
- ❖ Assay and microbial limit testing under class 100 area.
- ❖ Routine water testing.

Granulation

Designed for batches of any size



- ❖ Equipped with sophisticated, GMP compliance equipment.
- ❖ Capable for both aqueous and non-aqueous process.
- ❖ Flame proof design for safety while using solvents.
- ❖ All required locations connected to utility lines like compressed Air, Potable and purified water.
- ❖ Dust extraction system for major powder generating equipment to avoid cross contamination.

Compression

Designed to make products of varied size and speed

- ❖ Three Suits with capacity up to 8 Lakhs tablets a shift
- ❖ 20, 27, Stations with Bi Layer Options to suit the specific formulation requirement



Coating

Designed for all forms of coating



- ❖ Coating section with capacity ranging from 10 Kg to 120 Kg per lot
- ❖ Meets all coating requirements like film, enteric and sugar coating.
- ❖ Complete flame proof design for highest safety while handling solvents.

Encapsulation

Designed to fill capsules of all sizes

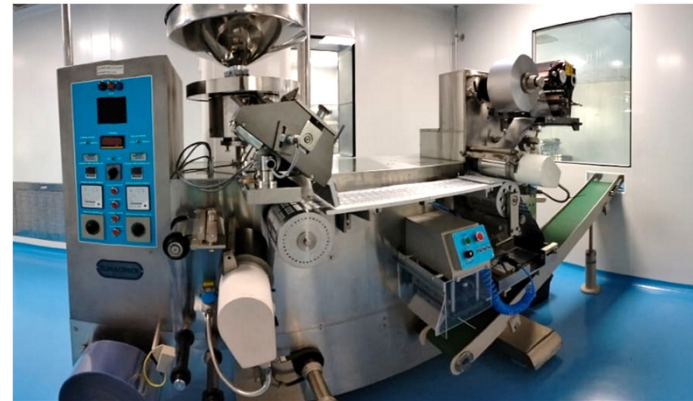


- ❖ Semi automated with a capacity up to 2 Lakhs per day.
- ❖ Additional feature of pellet filling and tablet in capsule.

Packing

Designed for all types of packing

- ❖ Three packing suits (Alu/Alu, Blister, Strip) for primary packing with a capacity to pack up to 8 Lakhs tablets and capsules per day.
- ❖ Exclusive change parts for physician samples.



Engineering

Designed for uninterrupted service and support for all process



State of the art sophisticated detailed engineering of the entire plant is created to provide round the clock services and support the manufacturing requirements with respect to electrical, mechanical, steam, compressed air and allied engineering requirements.



HVAC

Designed to achieve global environmental standard

- ❖ Exclusive service plant room for placing 13 AHUs and 8 FDV provides Air supply at designed class, temperature and humidity for the entire facility.
- ❖ Dedicated Air Handling Units for each process area to prevent cross contamination.
- ❖ The required classification of the area achieved through high efficiency filters, 10 micron Pre- filter with 90% efficiency, 3 micron Fine filter with 99% efficiency and 0.3 micron HEPA filter with 99.97% efficiency.
- ❖ Stringent validation protocols for the critical AHU parameters like filter integrity test, recovery, particle count, air-changes, and air velocity
- ❖ Validation and the re-validation program in regular frequency as part of the environmental monitoring quality norms.



Purified Water Plant

Designed to generate USP grade purified water



- ❖ Installed capacity 500 L purified water per hour .
- ❖ Fully automated from primary treatment to delivery points.
- ❖ Purified water distributed continuously through loop system 24/7, to avoid microbial contamination.
- ❖ Periodical quality monitoring for chemical and microbiological testing at individual sampling points of pre-treatment, secondary treatment and in the loop system.
- ❖ A well-established sanitization and quality monitoring program to maintain the integrity of purified water for storage and distribution on a continual basis.

Environmental Safety

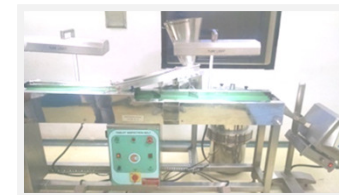
Designed to meet Green Environmental Norms



As a commitment to environmental health safety a well-designed ETP ensures the trade effluent and sewage from the facility complies with green environment norms



Designed to Deliver High Quality Pharmaceutical Products



- ❖ Facility - Meets Global CGMP norms.
- ❖ Quality Assurance - Delivers un-compromised quality.
- ❖ Warehouse - Stores all products under all conditions.
- ❖ Quality Control - Works on Good Laboratory Practices.
- ❖ Microbiology - Monitor microbial contamination.
- ❖ Production - Equipped with advanced manufacturing technology.
- ❖ Granulation - Suits batches of any size.
- ❖ Compression - Ideal for products of varied size and speed.
- ❖ Coating - Performs all forms of coating.
- ❖ Encapsulation - Fills capsules of all sizes.
- ❖ Packing - Enables all types of packing.
- ❖ Engineering - Supports uninterrupted service for all process.
- ❖ HVAC - Achieves global environmental standard.
- ❖ Purified Water Plant - Generates Purified water.

Qualified, Experienced, Competent, Professional
Leadership committed to deliver
Un compromised Quality "Everywhere Every time"



World Class Infrastructure Setting New Benchmark in Pharmaceutical Manufacturing



Reach Us

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To know more about us,

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