



LDD  
BIOSCIENCE



# LDD BIOSCIENCE

NEW AGE HOMOEOPATHY

LDD BIOSCIENCE enters with new vistas in homoeopathic manufacturing, with focus on quality and customer satisfaction for ameliorating the ailing masses as its continuous endeavor.

Quality is cardinal in the manufacturing of any medicine but more so in homoeopathy because except Mother Tinctures and dilutions up to 3x potency, most of the homoeopathic medicines cannot be even tested and thus trust on manufacturer becomes implicit, therefore onus is on the manufacturer to meet this trust quality parameter to which LDD BIOSCIENCE strictly adheres.

We at LDD BIOSCIENCE are stringent about quality standards that are ensured and documented at all stages of its operations. Each and every process is followed as per pre-defined approved SOP ranging from hygiene and maintenance to manufacturing and testing in compliance with schedule M-1 of GMP standards.



## LDD BIOSCIENCE is equipped with state of the art unit at Manesar,

which is designed to meet International standards. The environment within the manufacturing unit is strictly controlled and air-conditioned thereby parameters like temperature, humidity and contamination are strictly controlled.

We have top notch computer control automatic manufacturing equipments, processes according to world standards, clean rooms and meticulous quality tests which are conducted at each stage by trained, experienced and qualified professionals. **THE RANGE OF PRODUCTS OF LDD BIOSCIENCE IS EXHAUSTIVE AND PROVIDES ALL GENERICS, (Mother Tinctures, Dilutions, Triturations, Bio Chemicals/ Bio Combinations and Ointments) WIDE VARIETY OF PATENTS, NUTRACEUTICALS AND COSMETICS.**



General shot of Macerators  
& percolators



Hydraulic Mother Tincture  
Press



Digitally Controlled  
Potentizer



Fluid Bed Dryer



Mass Mixture.

## MOTHER TINCTURES

- LDD BIOSCIENCE manufactures high quality Mother Tinctures in sterile and most hygienic environment at every stage of manufacturing process, batch after batch.
- LDD Bioscience team selects herbs from select growing regions, test for alkaloid conditions and store them in controlled environment after which the process of extraction and preparation of mother tincture is initiated in an automatic process flow clean room environment.
- Raw materials and in-process formulations undergo chemical tests and physical and morphological tests followed by infrared moisture analysis.
- We make use of UV spectrophotometer analysis and Karl Fischer compact titrate analysis for ensuring accuracy and efficiency of Mother Tinctures.
- The next stage is TLC and HPTLC analysis as well as infrared moisture analysis of contents to ensure products are within specified tolerances and the active medicament is present as per required quantities.
- We use SS 316 stainless steel grade percolators and macerators in mother tincture preparations. Also use equipment like hydraulic presses, macerators, stirrers and filters for liquid extraction.

## DILUTIONS

- LDD BIOSCIENCE offers over 1000 dilutions in all potencies ranging from 3 CH to CM potency and also in Decimal scale ranging from 3x onwards.
- Manufacturing of dilutions takes place in a clean room environment guaranteed by strict control on air, humidity and temperature.
- LDD BIOSCIENCE prepares back potencies, which are the backbone of homeopathy, in house with one of its kind Digital computer controlled potentizer. This ensures complete accuracy & reliability.
- These accurate back potencies are used to prepare dilutions of different potencies by using pure Extra Neutral Alcohol. Thereafter the dilutions are packed in neutral glass bottles thoroughly sterilized at 150 degrees centigrade & sealed under clean room conditions. Even the plastic parts like droppers & caps are thoroughly sterilized by "Ethylene Oxide Sterilization Chambers" that is ETO machines. Thus, the dilutions manufactured by us offers complete trust & reliability.

## TRITURATION AND TABLETS

- LDD BIOSCIENCE sources highest quality compounds and uses only the best quality lactose sourced from HMS or Meggle of Germany for trituration and tablet formulation. The process takes place in clean room environment in sterilized 316 SS containers with digital monitors and sensors for temperature, time and humidity control of mechanical process.
- We have electronic sieves with sensors to control lactose dust.
- The processes are automatic from start to finish with material untouched by human hand.
- Rigorous quality tests take place at every step to ensure optimal friability, hardness and disintegration time of tablets.
- FLUID BED DRYER works on a principle of fluidization of the materials. In fluidization process, hot air or gas flow is introduced through the bed of solid particulates. Hence the bed is fluidized and the particles are suspended in the fluid.
- BLISTER PACKING MACHINE: Blister packs not only protect the product against light, oxygen humidity and contaminants, it provides protection against mishandling and tampering. It is Cost- effective and helpful and easy to use



## LIQUID FORMULATIONS

- We manufacture wide range of oral liquid formulations. The liquid formulation is a separate section and has huge capacity to manufacture syrups and drops.
- Precisely and automatically controlled dose of homoeopathic formulations are then added to the base syrup in closed chambers in clean room conditions. At this stage, microbiological test checks for presence of pathogens and impurities are conducted.
- Before filling, all bottles are washed in fully automated rotary machines, which washes dries and sterilizes the bottle on line.
- The filled-up bottles are packed in unit cartons with precision.
- Whole process of liquid manufacturing is fully automatic and no human hand comes into contact with any medicines.

## QUALITY MANAGEMENT

- Each and every process is followed as per predefined approved S.O.P. ranging from cleaning and maintenance to manufacturing and testing.
- Maintaining GMP standard from manufacturing till its consumption.
- We procure ENA from best of distilleries by ensuring that they are as per the specification and contain minimum 96% of Ethyl Alcohol. Further the impurities like ketones, aldehydes & esters should be absolutely absent to make ENA fit for the use in dilutions.
- Water that goes into formulations is from our in-house DM and RO plants with their own quality control processes to check for microbiological contaminants.
- Herbs are sourced from select regions known to contain just the right amount of active phytochemicals necessary for proper efficacy of our formulations.
- Raw materials are stored in climate controlled, pathogen free environment to prevent degradation or contamination.
- All finished products undergo stability testing with stabilizers & related equipment.

## COSMETICS

LDD Bioscience offers comprehensive range of cosmetics, which includes Shampoos, Hair oils, Face-wash, Tooth Paste, Face creams, Soaps and other various items. Our cosmetics are sourced from reputed manufactures across India.

## NUTRACEUTICALS

Understanding the growing requirements in healthcare, we provide wide range of Nutraceutical products, which are formulated scientifically and are produced in the state of art plants thereby offering us an edge in order to serve even the younger population of our Country.



Blister Machine



Liquid Manufacturing Plant..

Quality Control Lab.





JAS-ANZ



AN ISO 9001 : 2015  
CERTIFIED COMPANY



LDD Bioscience has made forays in homoeopathic manufacturing with a clear vision and long-term commitment, having previously spent number of years working at top management in the homoeopathic industry and gaining trust of all members of the homoeopathic fraternity.

The focus on quality and customer satisfaction will always be focal point for us. The management of LDD Bioscience is backed up by a team of highly qualified and experienced professionals in the field of homoeopathy and therefore their endeavor will always be to thrive to give best quality and service to customers.

**LDD BIOSCIENCE AIMS TO GAIN LEADERSHIP  
IN HOMOEOPATHIC MANUFACTURING ALL  
ACROSS THE WORLD.**

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