

SHREE M. & N. VIRANI SCIENCE COLLEGE

Faculty of Science

DEPARTMENT OF INDUSTRIAL CHEMISTRY

ITPR/SEMINAR PRESENTATION

STERLING BIOTECH LTD.

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SEM:-5

OUTLINE

- Company profile
- Introduction
- History
- Manufacturing
- Safety
- Research & development
- Research instruments
- Products

COMPANY PROFILE

- Industry Founded:
Pharmaceutical 1985
- Headquarter:
Mumbai, India
- Key people:
Nitin J. Sandesara(CEO)
Chetan J Sandesara(managing Director)



INTRODUCTION

- Sterling Biotech Limited operates as a pharmaceutical preparation manufacturing company.
- Sterling with its new thinking, new capabilities and sense of urgency aspires to “Earn trust, every moment” of its partners, collaborators, stake holders and customers.
- Our goal is to commercialize Active Pharmaceutical Ingredient and make it available at competitive prices to our global customers.
- The headquarter of sterling biotech at Mumbai.

HISTORY

- Sterling Biotech Limited (SBL) was incorporated in 23rd March of the year 1985 in Mumbai as Pluto Exports & Consultants Limited and obtained its Certificate of Commencement of Business in 19th April of the same year 1985.
- The Company changed its name to Sterling Tea and Industries Limited on 24 June 1991 when it entered the tea plantation business. Its name was subsequently changed to Sterling Biotech Limited with effect from 29 March 1995.
- SBL is engaged in producing pharmaceutical and nutraceutical gelatin in India. SBL had successfully commissioned its first gelatine production facility in the 1997 year with an installed capacity of 2200 MT at Karakhadi Dist Vadadora.



**Sterling gelatin plant
Karakhadi, vadodara**



**Sterling biotech plant
Atladara, vadodara**

MANUFACTURING

- Sterling biotech has State-of-the-art Microbiology facility for development of inoculum for the production fermentors.
 - Facility for Isolation and selection of microbial strains
 - - Dedicated area for storage and testing of the strains.
- SBL Well Equipped QC lab to perform the analysis as per requirements with well defined documentation systems.
- Comprehensively designed and well implemented QA system to ensure that the products are manufactured to specified quality requirements.
- Quality procedures documented, designed and controlled to take into account the basic attributes of drugs, Efficacy, safety & stability



Solvent Recover Plant

- Capability to distill various solvents like Hexane, acetone, methanol, butyl acetate, toluene etc.
- 13 distillation columns of various capacities, plate and packed type
- Solvent Recovery : 95 %min & purity 99%.

SAFETY

- Safety
- Committed to providing a safe and healthy workplace
- Safety Policy
- Fire Hydrant Network
- Fire Tender and Emergency Vehicle
- Safety Procedures and training
- Health Monitoring
- Compliance with all applicable HSE legislation.



RESEARCH & DEVELOPMENT

- Sterling Biotech Research Center (SBRC) is the corporate research wing of Sterling Biotech Limited.
- SBRC Equipped with state of the art scientific instrumentation, manned by experienced people and recognized by Department of Scientific and Industrial Research (DSIR).
- SBL Research on Non – Infringing / Patent free Process Development for Active Pharmaceutical Ingredients (APIs).
- Our Semi Synthesis of APIs from microbial secondary metabolites / Natural sources
- Characterization of APIs, Intermediates, KRM & Impurities by Spectral Analysis.

RESEARCH INSTRUMENTS



NMR (Nuclear Magnetic Resonance):-

NMR instrument allows the molecular structure of a material to be analyzed by observing and measuring the interaction of nuclear spins when placed in a powerful magnetic field.

GC (Gas chromatography):-

Use of GC include testing the purity of a particular substance, or separating the different components of a mixture.



PRODUCTS

LOVASTATIN:-



USE:-This Lovastatin is used along with a proper diet to help lower “bad” cholesterol and fats and raise “good” cholesterol in the blood.

SIMVASTATIN:-

USE:-used to lower cholesterol if you’ve been diagnosed with high blood cholesterol. It’s also taken to prevent heart disease, including heart attacks and strokes.



PRODUCT



DAUNORUBICIN:-

USE:- Daunorubicin, also known as daunomycin, is a chemotherapy medication used to treat cancer. Specifically it is used for acute myeloid leukemia, acute lymphoblastic leukemia, chronic myelogenous leukemia, and Kaposi's sarcoma.

DOXORUBICIN:-

USE:- This medicine Use for breast cancer, bladder cancer, Kaposi's sarcoma, lymphoma, and acute lymphocytic leukemia.





Thank you

