



ALKALOIDS CORPORATION, INDIA

Alkaloids Corporation, 8, Bentinck Street,
Kolkata-700001-India
Ph.No: + (91) 33-22485464,
22481263
Email: alkacorp@vsnl.com

INTRODUCTION



Alkaloids is a family company established in 1967. Starting with production of natural Caffeine, quite a number of speciality products have been added to our portfolio.

The Company is dedicated to identification, development, production & distribution of potent Phytochemicals and Botanical extracts. A number of Phytochemicals manufactured by Alkaloids are used as Active Pharmaceutical Ingredients by major drug formulators the world over. We are internationally recognised as a reliable supplier of high quality Phyto-products. Alkaloids also manufactures custom-made products on exclusive basis for our valued customers.

We now have four state of the art manufacturing facilities all operating under strict cGMP guidelines. Additionally, we have set up a facility in Australia for processing an important biomass required for captive consumption.



MANUFACTURING

Manufacturing activity is carried out strictly as per ICH cGMP guidelines and several conventional and modern techniques are used for the isolation, semi-synthesis and purification of our products. The manufacturing processes have been validated to ensure consistent product quality.

Extraction of Herbs is carried out in conventional percolators as also modern rotary extractors. Extracts are concentrated at low temperatures in various types of thin film evaporators ensuring that the active ingredients retain their character and undesired artefacts are not formed. Botanical extracts are dried in Spray/Vacuum driers under hygienic conditions. Purification of Phytochemicals is done using Liquid-Liquid Extraction, pH gradation, Chromatography, Crystallization etc.

Purified Water Generation and Distribution systems are in place at all facilities to maintain high standards of our products.

Operations in Pharma sections like, Drying, Milling, Blending, Sifting and Packaging are conducted in clean room environment.

The rich experience of our people in the field of Natural product chemistry and their innovative approach has been our strength.



QUALITY SYSTEM



Our Quality Management system has been developed in line with ICH Q7 guidelines.

All activities are SOP driven.

Our laboratories are equipped with modern analytical instruments like HPTLCs, HPLCs, Head space GCs, UPLC, UV-VIS Spectrophotometers, Auto-titrators, Stability chambers etc. All chromatography systems are integrated and work on 21 CFR Part 11 compliant Empower 3 platform to ensure Data Integrity. Back up of all data is taken on server and magnetic tapes to ensure Data security.

Crude Drugs are subjected to careful morphological and chemical analyses. Extracts of Crude Drugs are subjected to HPTLC 'finger printing'. In-process tests are conducted at various stages to keep quality check. Finished products are subjected to extensive testing using qualified instruments and validated methods.

Botanical Extracts are standardized by quantifying the active ingredient(s) using UV-VIS spectrophotometry, HPLC, & HPTLC methods.



REGULATORY COMPLIANCE



All 14 inspections by **ANSM, EDQM, KFDA, TGA & US FDA** successful!

EDQM CEP & EU GMP for Digoxin & Hyoscine Butylbromide

WHO GMP / WC for Cimetropium Bromide, Colchicine, Digoxin, Hyoscine, Hyoscine Butylbromide/ Hydrobromide, Noscapine, Noscapine HCl, Papaverine HCl, Reserpine & Thiocolchicoside

KMFDS GMP for
Pelargonium sidoides Extract



TGA



PRODUCTS



Active Pharmaceutical Ingredients

Phytochemicals:

Ajmaline

Artemether Int. Ph.

Cimetropium Bromide

Colchicine BP/USP/Ph.Eu

Digoxin Ph.Eur./USP

Hyoscine Ph.Eur.

Hyoscine Butylbromide BP/Ph.Eur

Noscapine BP/Ph.Eur

Noscapine Hydrochloride BP/JP/Ph.Eur

Papaverine Hydrochloride BP/Ph.Eur/USP

Reserpine BP/USP

Scopolamine Hydrobromide

Trihydrate USP/Ph.Eur

Scopolamine Methylbromide USP

Scopolamine Methylnitrate

Thiocolchicoside FP/IP/Ph.Eur

PRODUCTS



Phytochemicals Used as Intermediate

Betulinic Acid

10-Deacetylbaccatin-III

Lysergol

Scopine Hydrochloride

Curcumin

Used as Nutraceuticals

Forskolin

5-hydroxy tryptophan (5-HTP)

Pongamol

PRODUCTS



Standardized Botanical Extracts

Ashwagandha

Bacopa monnieri

Boswellia serrata

Cascara sagrada

Cinnamon

Coleus forskohlii

Commiphora mukul (Guggul)

Fenugreek

Gentiana lutea

Green Coffee

Green Tea

Gymnema sylvestre

Horse chestnut

Ivy Leaf

Licorice

Mucuna pruriens

Pelargonium sidoides

Pomegranate

Senna

Valerian