



APB DISTRIBUTION CHAIN

With distributors across all major cities in the country, we here at Ankit Pulps and Boards have an enviable Pan-India presence. Our distributors are placed at:

Domestic - New Delhi, Mumbai, Kolkata, Chennai, Baddi (Himachal Pradesh), Roorkee

International : Slupno (Poland), Istanbul (Turkey), Germiston (South Africa), Dhaka (Bangladesh) and Guangzhou (China)

Export - Sri Lanka, Australia, Poland, Bulgaria, South Africa, Nigeria, Egypt, Indonesia, China, Saudi Arabia and the Sultanate of Oman.



Ankit Pulps & Boards Pvt. Ltd.

Registered & Factory Address :

39/2, Bhilgoan, Kamptee Road, Post- Khairi, District: Nagpur, Maharashtra - 441002 (INDIA)

E-mail : info@celluloseankit.com | Website : www.celluloseankit.com

Phone : (+ 91-712) 204 3300 / 204 3301 | Fax : +91-712 298 0201

Courier Address: 601, Omkar Tower, Tikekar Road, Dhantoli, Nagpur, Maharashtra - 440012 (INDIA)

CIN: U21010MH1988PTC049007



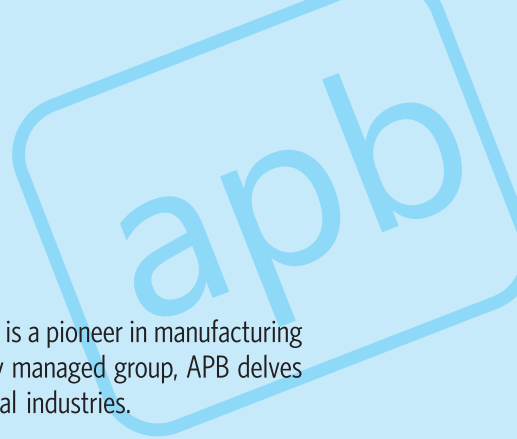
ANKIT PULPS &
BOARDS PVT. LTD. *Bettering Lives*

Manufacturer of Microcrystalline Cellulose & Co-Processed MCC

REVOLUTIONARY MICROCRYSTALLINE CELLULOSE



STABLE . RELIABLE . CON



COMPANY OVERVIEW

Ankit Pulps and Boards Pvt. Ltd. (APB), incorporated in the year 1988, is a pioneer in manufacturing Pharmaceutical Excipient- Microcrystalline Cellulose. A professionally managed group, APB delves into the manufacture of excipients for use across diverse pharmaceutical industries.

APB consists of an FDA approved in-house R & D Laboratory, which has unsurpassable facilities and caters to all strategic trials to amplify new molecules from conceptualization to the lab and finally to commercial scale. A keen eye for quality check and top of the line infrastructure at hand for storage, makes Ankit Pulps and Boards stand out amongst its peers in terms of assured quality.

Customers from all-round the globe recognize and appreciate the quality of APB's Microcrystalline Cellulose. The success of our products in the international market has always given us a boost to expand our horizons and explore new grounds.

Located in Nagpur, the geographic center of India- connectivity and the logistics were never a bother, with Road, Trains, Airways and Dry Ports serving as our connecting chords to the rest of the world. As of today APB is providing a ceaseless supply of the finest quality Excipients to market in virtually every corner of India & the world.



OUR JOURNEY

Ankit Pulps and Boards was established in the year 1976. Through advanced technology & by upgrading the infrastructure, the company then went on to expand further in the year 1988, setting up a pilot plant for manufacturing Microcrystalline Cellulose. The accelerated growth of the company since, has transformed it into a dynamic production center for high quality of excipients, utilized for pharmaceutical formulation. It caters to a wide range of products for the application in industry verticals. In the year 2013, we diversified into more quality products like Co- processed MCC (MCC and Lactose Monohydrate, CMC & MCC)

With the able leadership of **Mr. Anil Agrawal & Mr. Rajesh Agrawal**, enlightened and enthusiastic promoters, APB remains the foremost domestic company manufacturing and exporting quality Microcrystalline Cellulose of various grades.

VISION

To be globally recognized as an authentic source of Microcrystalline Cellulose and its derivatives in alignment with international benchmarks.

MISSION

We strive to establish our Company as the market leader, by meeting the growing and changing needs of the customers consistently, through continual improvement and to sustain organizational excellence through visionary leadership and innovative efforts.

ANIL AGRAWAL

The Director all Commercial affairs at Ankit Pulps and Boards, Mr. Anil Agrawal set up the company back in 1988 and has steered all operations since. From its humble beginnings, Ankit Pulps and Boards, today has scaled unparalleled heights in its domain.

And the composure of Mr. Anil Agrawal has been the driving force behind it all. A self-made man, he binds team-APB together like the head of a family. An insightful entrepreneur and a steadfast leader!

RAJESH AGRAWAL

Always looking to break new ground in the technical front, this man's vision is responsible for the enviable status that APB holds in the industry today. Dynamic and high on energy, Mr. Rajesh Agrawal is often found interacting with his team on the lab floor, always on the look-out for innovation in production standards.



An engineer by qualification and an entrepreneur by passion, it is Mr. Rajesh Agrawal's acumen that drives Ankit Pulps and Boards. The man behind the design of APB's sprawling technical set-up, he leads the technical team of APB from the front.

PHARMACEUTICAL INDUSTRY

The MICCEL grades of Microcrystalline Cellulose of Ankit Pulps and Boards, are widely accepted excipients by a number of leading pharmaceutical industries in India for its quality, consistency and customer service. Microcrystalline Cellulose revolutionized tableting because of its unique compressibility and carrying capacity. Its exhibits excellent properties as an excipient for solid dosages forms, compacts well under minimum compression pressures, has high binding capability and creates tablets that are extremely hard & stable, yet disintegrate rapidly.

Product Table

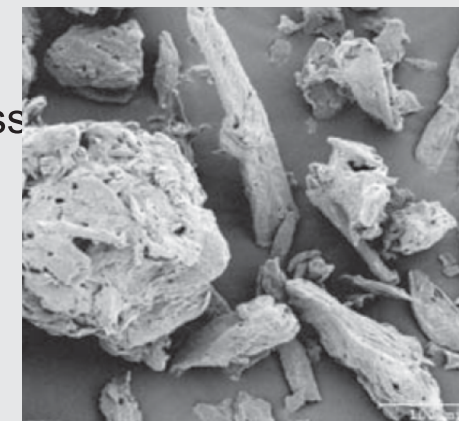
MICCEL 101	Wet granulation and direct compressible
MICCEL 102	Direct compressible & large particle size
MICCEL 103, MICCEL 112, MICCEL 113	Ideal for moisture sensitive material
MICCEL 114	Directly compressible
MICCEL 105	Enhanced compressibility with combination
MICCEL 200, MICCEL 500, MICCEL 1000	Increase flow ability & Direct compressible
MICCEL 301	Higher Density, Greater Tablet wt.
MICCEL 302	Direct compressible, Greater Tablet wt.
MICCEL 12	Direct Compressible
MICCEL W, MICCEL WP	Wet Granulation
MICCEL - 102 BD	Higher Density & Increase Flow

Tablets Manufacturing – Applications

PROCESS	ADVANTAGES	METHODS OF USE
A. Direct Compression	*Chemical Purity *Binder *Disintegrant *Flow aid *Filler *Inertness	Tablet Making by Direct Compression involves only Weighing Mixing & Compressing
B. Wet Granulation	*Binder * Rapid wicking action *Permits Fast addition of granulation fluid being most Absorbent *Most inert	

MICCEL FEATURES

- Excellent hardness levels at low compress
- Low Lubricant sensitivity
- Low Tablet Friability
- Good Disintegration aid
- Super Stability



Performing in TABLETS & CAPSULES making

Chemical Purity	*Non-reactive Organic ingredient, Extremely Low level of organic & Inorganic Contaminations.
Binder	*High Hardness level, low friability and excellent compression.
Disintegrant	*Keep Uniform Concentration of drug in solution.
Flow aid	*Require less Lubricant than other typical binders.
Inertness	*Drug chemical status is maintained.
Absorbent	*Keeps drugs uniformly mixed.

Quantum to be used:

The amount to be used in direct compression tablet making depends on the flow & compression characteristic of the formulation and other ingredients.

Typical use level is of 15 to 20%

Granulation use level 15%

Levels in excess of 90% has been reported



CO-PROCESSED MCC

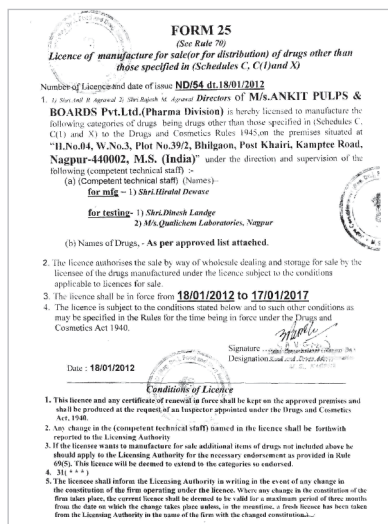
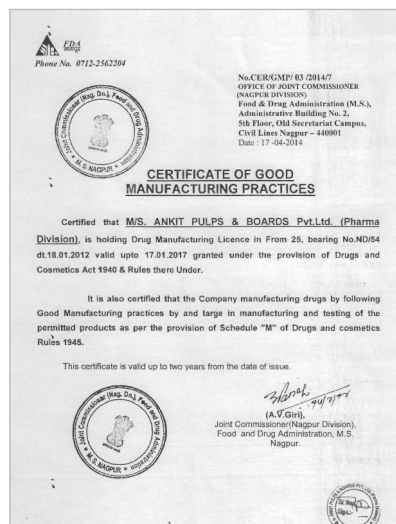
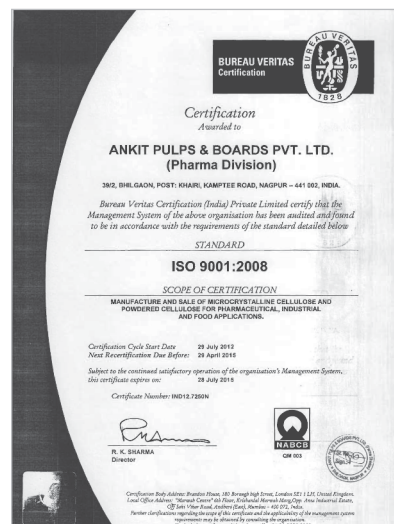
CO-PROCESSED MCC

Co-processing could lead to formation of excipients with superior properties compare to the simple physical mixture of their components. Co-processing results in a product with added value related to the ratio of its functionality and price. Development of co-processed directly compressible adjuvant, starts with the selection of the excipients to be combined, their proportion, selection of preparation method to get an optimized product with desired physico-chemical parameters.

Microcrystalline cellulose & Carboxymethylcellulose sodium

Grade	Technical
Miccel CMC-501	Suspending agent, emulsion stabilizer, foam stabilizer, Food & additives
Miccel CMC-581	
Miccel CMC-591	
Miccel CMC-611	Suspensions formulation

CERTIFICATIONS



FDA APPROVED IN-HOUSE R & D FACILITY

We have an in-house Research and Development team here at APB to keep us abreast with all Frontline innovations in the market. Our R&D laboratory is FDA approved and frequently undertakes strategic trials to amplify new molecules from conceptualization to the lab and finally to the commercial space. A temperature controlled lab having separate Physical, Chemical and Microbial sections keeping in mind the concerns of a growing base of Quality conscious customers. From an Alpine Jet Sieve Shaker to a Pressure Gauge, APB's laboratory comprises of all high tech equipments, ensuring the best quality products to customers. Facilities for maintaining requisite temperature and humidity are available in this lab. Also available are all the Standard Analysis Procedures, Quality Plans, Operating Procedures, Hygiene and Cleaning procedures, Calibration procedures. The Lab is an reflection of our commitment towards top notch quality and hygiene.

OUR COMMITMENT TO QUALITY

Ankit Pulp and Boards is an 9001:2008 certified , Licensed by FDA, cGMP, FSSAI & also US-FDA (DMF), US FDA has registered and allotted us DMF No. 26433 for our plant for the manufacturing of Microcrystalline Cellulose Powder (MCCP) of various grades.

INFRASTRUCTURE

With an automated plant and latest manufacturing technology at our disposal, we here at APB can confidently say that our products across all the verticals are the best in quality and the safest to consume or use. We are also capable of delivering MCC as per your customized requirements. We formulate solutions to all the obstacles encountered by the pharmaceutical companies with the aid of our highly qualified team in the process of customization. We are committed to the task of not only maintaining but also improving the standards of the excipients we manufacture and in that pursuit, a lot of attention is given to ensure maintenance and seamless functioning of the hi-tech equipment. Our current manufacturing capacity of Microcrystalline Cellulose is 3600 MT p.a.