



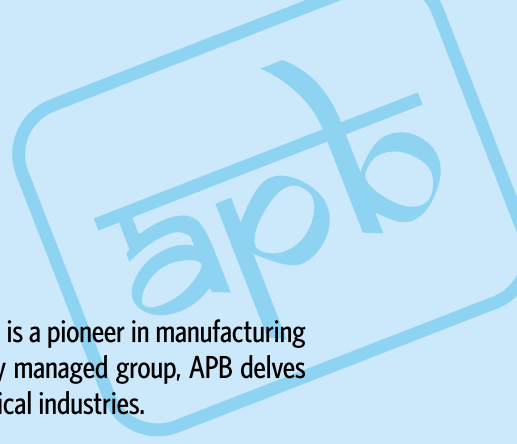
ANKIT PULPS &
BOARDS PVT. LTD. *Bettering Lives*

Manufacturer of Microcrystalline Cellulose & Co-Processed MCC

REVOLUTIONARY MICROCRYSTALLINE CELLULOSE



STABLE . **RELIABLE** . CONSISTENT



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 PRODUCTS

Microcrystalline Cellulose	Silicified Microcrystalline Cellulose	Microcrystalline Cellulose & Carboxymethyl Cellulose Sodium	Microcrystalline Cellulose & Lactose Monohydrate	Powdered Cellulose
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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 Co-Process MCC 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

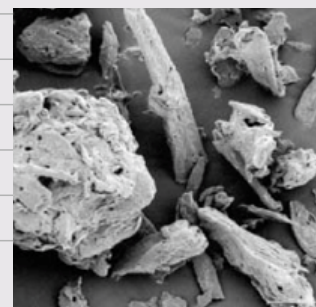
Microcrystalline cellulose (MICCEL)

USFDA TYPE IV DMF NO.026433

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	Increase flow ability & Direct compressible
MICCEL301	Higher Density, Greater Tablet wt.
MICCEL302	Direct compressible, Greater Tablet wt.
MICCEL302	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 compression forces
Low Lubricant sensitivity | Low Tablet Friability
Good Disintegration aid | Super Stability

Quantum to be used:

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

Typical use level is of 15 to 20% | Granulation use level 15% Levels in excess of 90% has been reported

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.

Powdered cellulose (MICCEL - P)

APB produce Powdered cellulose MICCEL-P, having multiple application in pharmaceutical formulation as a tablet diluent and filler in two piece hard capsule in both context of wet and dry granulation it act as a bulking agent to increase the physical size of the dosage form for formulation containing a small amount of active substance. In soft Gelatin capsules, powdered cellulose may be used to reduce the sedimentation rate of oily suspension fills. It is also used as the powdered base material of powder dosage form and as a suspending agent in aqueous suspension for peroral delivery. APB provide MICCEL-P at lowest cost that reduce the manufacturing cost of formulation.

Functional categories of Powdered cellulose: **Adsorbent; glidant; suspending agent; tablet and capsule diluent; tablet disintergrant; thickening agent.**



CO-PROCESSED MCC

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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.

Silicified Microcrystalline Cellulose - USP (MICCEL S)

(USFDA TYPE IV DMF NO. 031300)

Silicified Microcrystalline Cellulose having excellent compatibility, high intrinsic flow enhance lubrication efficiency, improve blending properties, superior binding properties and increase production capacity. It is ideally suited to direct compression formulation where it has advantages in both flow and compatibility. MICCEL Shaving three Grade MICCEL S-102, MICCEL S-101 AND MICCEL S-112

Microcrystalline Cellulose & Carboxymethyl Cellulose Sodium IP/USP-NF (MICCEL - CMC)

(USFDA TYPE IV DMF NO. 031677)

Unique co-processed composition of microcrystalline cellulose (MCC) and Carboxymethylcellulose sodium (CMC-Na) provide as suspending and emulsifying agent, which facilitates a wide range of liquid dosage forms. Due to its extraordinary stabilizing mechanism. The wide range of thixotropies, viscosities, gel strengths, and dispersion characteristics of this product line provide unparalleled suspension stability and functional versatility hence it can be used with a variety of active pharmaceutical ingredients to provide opportunity for new applications and line extensions for existing products.

Microcrystalline cellulose & Lactose Monohydrate (MICCEL-L)

MICCEL L- Provides capability for direct compression, due to increased in flowability and compactability.

CERTIFICATIONS



For more details visit our website: www.celluloseankit.com



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. APR'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 a reflection of our commitment towards top notch quality and hygiene.

OUR COMMITMENT TO QUALITY

Ankit Pulps and Boards is an 9001:2015 certified, Licensed by FDA , cGMP & also US-FDA (DMF), US FDA has registered and allotted us DMF Number for our plant for the manufacturing of Microcrystalline cellulose USP (Various Grade) DMF No. 026433, Silicified Microcrystalline cellulose USP (Various Grade) DMF No 031300. Microcrystalline cellulose and carboxymethylcellulose sodium USP-NF (Various Grade) DMF No. 031677

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 4800 MT p.a.



APB DISTRIBUTION CHAIN

With distributors across all major cities in the country, we here at Ankit Pulps and Boards have an enviable presence across nation. 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)

Our Exports - USA, Colombia, Brazil, Syria, Cyprus, Thailand, Jordan, Turkey, Iran, Israel, Poland, Bulgaria, Egypt, Nigeria, South Africa, Sri Lanka, Indonesia, Australia, China, Saudi Arabia and the Sultanate of Oman.



Ankit Pulps & Boards Pvt. Ltd.

Registered & Factory Address :

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

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

Mob. No: +91 99700 57671 | +91 99700 57680

Courier Address: Flat No.- 602, Petals, Plot No. 193, Shivajinagar,
Cement Road, Nagpur, Maharashtra - 440010 (India)

CIN: U21010MH1988PTC049007

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