



Microcrystalline Cellulose

for Every Need...



High-purity MCC engineered for pharmaceutical, food, and cosmetic applications with an unwavering focus on quality and performance.





About Company

Jay Microcell is an emerging manufacturer of premium Microcrystalline Cellulose, built with a vision to serve a wide range of industries with reliable and high-quality excipient solutions. Backed by technical expertise and modern production practices, we focus on precision, consistency, and sustainable operations. Our commitment to excellence enables us to meet industry standards and support our clients with dependable, application-ready MCC.

Our journey is strengthened by the enduring legacy of the Jay Group, a diversified conglomerate shaped by over three decades of innovation, responsibility, and sustainable growth. Since its establishment in 1991, Jay Group has pioneered water and wastewater management, providing integrated solutions that align environmental stewardship with economic efficiency. Over the years, the Group has expanded into pharmaceutical and medicines manufacturing, export operations as a Government-Recognized Export House, and advanced water engineering technologies. Every business vertical reflects the Group's unwavering commitment to quality, technical excellence, and customer-focused values.

Rooted in this strong foundation, Jay Microcell is poised to grow with the same principles of excellence, reliability, and sustainable progress—carrying forward the Jay Group's trusted legacy into the excipient manufacturing space.

Our Vision

To become a global leader in excipient manufacturing, recognized for quality, innovation, and customer satisfaction. We aim to support industries with reliable, effective solutions and foster a healthier, sustainable future.

Our Mission

Our mission is to deliver high-quality Microcrystalline Cellulose solutions through innovation and precision. We strive to exceed global standards, empower industries, and build lasting partnerships with our clients.

Shaping the Future of Excipients

We are dedicated to transforming industries with our unwavering focus on quality, innovation, and sustainability. By delivering reliable and effective solutions, we aim to set benchmarks that empower businesses and create a lasting impact globally.



Quality at the Heart of Everything We Do

At Jay Microcell, quality is the foundation of our success. Every team across the organization is dedicated to delivering products that meet the highest standards.

Our Quality Control team carries out thorough inspections at every stage—from evaluating raw materials, monitoring each step of production, to performing complete testing before final release. Alongside this, our production and logistics teams strictly follow established SOPs, ensuring consistency, safety, and reliability in every batch we supply.



Quality and Flexibility

We are committed to delivering superior quality and flexible service to meet diverse customer needs. Every product is carefully monitored and maintained under a strong quality assurance framework, ensuring reliability you can trust.





Our Products

At Jay Microcell, we specialize in delivering high-quality Microcrystalline Cellulose (MCC) and its advanced derivatives, tailored to meet the diverse needs of the pharmaceutical, nutraceutical, and food industries. Our products are manufactured using state-of-the-art technology under stringent ISO, GMP, and FSSC standards, ensuring purity, consistency, and superior performance.

With a strong focus on innovation and sustainability, our solutions enhance formulation efficiency, improve tablet disintegration, and optimize bioavailability. Whether you're looking for standard MCC, Silicified Microcrystalline Cellulose (SMCC), or Microcrystalline Cellulose Spheres (MCCSph), Jay Microcell offers products designed to meet the highest quality benchmarks.

Our Premium Microcrystalline Cellulose Solutions

We offer high-quality Microcrystalline Cellulose designed for superior performance in pharmaceuticals, food, and cosmetic applications. Our excipients ensure purity, consistency, and reliability, meeting global regulatory standards for diverse industry needs.



Micro Crystalline Cellulose (MCC)

Our JayCel™ range is designed for superior tableting performance, ensuring optimal flow, compressibility, and stability for various applications.



GRADE	PARTICLE SIZE DISTRIBUTION				BULK DENSITY	MOISTURE	PARTICLE SIZE		
	D10	D50	D90	APS			>60 MESH	>100MESH	>200MESH
JayCel101	<30	40-60	>80	50	0.26-0.34	NMT7%	<1%	0	<30%
JayCel102	<45	70-100	>140	90	0.27-0.34	NMT7%	<8%	0	>45%
JayCel103	<30	40-60	>80	50	0.26-0.34	NMT3%	<1%	0	<30%
JayCel105	O2-10		20-60	20	0.20-0.30	NMT5%	NMT 10.0% ON 400 MESH		
JayCel112	<45	100-40	>140	90	0.28-0.34	NMT7%	<8%		>45%
JayCel12	<50	100-140	>200	110	0.27-0.34	NMT7%	38MESH<0.5%	94MESH<50	300MESH70%
JayCel14	<50	100-140	>200	110	0.27-0.34	NMT1.5%	38MESH<0.5%	94MESH<50	
JayCel113	<30	40-60	>80	50	0.28-0.34	NMT1.5%	<1%	0	<30%
JayCel200	<70	150-200	>260	180	0.31-0.39	NMT7%		>50%	0
JayCel200LM	<70	150-200	>260	180	0.31-0.39	NMT1.5%	>10%	>50%	o
JayCel301	<30	40-60	>80	50	0.35-0.45	NMT7%	<1%	0	<30%
JayCel302	<45	70-100	>140	90	0.35-0.40	NMT%	8%	0	>45%

- a. Brightness ranges from 88% to 98%, as per quality
b. Black particles per 600 cm² : max. 2-8 nos, as per grade
c. NMT not more then



Other Products

Colloidal Grade Microcrystalline Cellulose (CMCC)

JayCel MCCSph are specially designed excipients for controlled drug release and uniform coating applications. These highly spherical and porous cellulose spheres provide excellent surface area, ensuring precise API deposition and consistent film coating.



Silicified Microcrystalline Cellulose (SMCC)

Our JayCel Silicified Microcrystalline Cellulose (SMCC) is a co-processed excipient designed to improve flowability, compaction, and binding efficiency. Developed using advanced spray drying technology, it combines Microcrystalline Cellulose (MCC) and Colloidal Silicon Dioxide (SiO_2) to offer excellent compressibility and uniform blending.

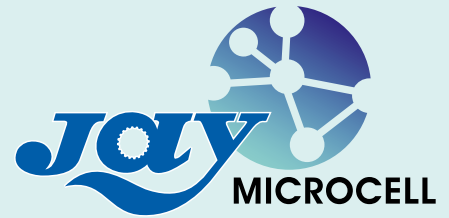


Cross Carmellose Sodium (CCS)

Our JayCel CS-Series (CS501 to CS503) is a high-performance Croscarmellose Sodium (CCS) range, ensuring efficient disintegration and enhanced bioavailability. These excipients provide superior swelling and wicking action, optimizing tablet performance.



Responsible by Nature



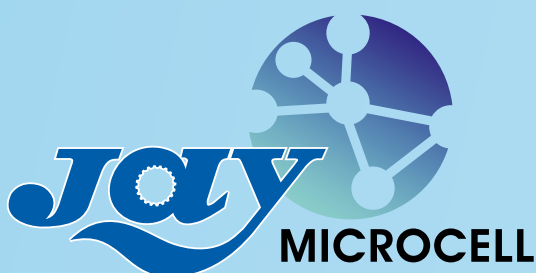
Jay Microcell is built on the belief that a successful business must also uplift the community. We actively support social initiatives and contribute to causes that encourage harmony, care, and positive change in society.

Our commitment to the environment is reflected in the way we source raw materials for our Microcrystalline Cellulose. We choose responsibly managed, eco-certified wood-based resources to ensure sustainable forestry, reduce environmental impact, and protect natural ecosystems. By integrating environmentally friendly materials into our production, Jay Microcell strives to create high-quality MCC while safeguarding the planet for future generations.





Applied for Certifications & Quality Standards



JAY MICROCELL PRIVATE LIMITED

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