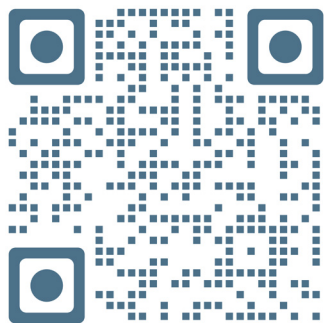




Pharmacel[®] Microcrystalline cellulose

Reliable. It's as simple as that.



Scan the QR code to know more about
our Pharmacel or log on to:

www.dfepharma.com

Across the industry, teams face growing pressure: unpredictable excipient quality, rising nitrosamine scrutiny, and the risk of supply disruptions that slow down development and threaten commercial continuity.

When formulations depend on stable flow, consistent purity, and dependable availability, variability is no longer an option.

That's why reliability matters.

Discover the reliability of Pharmacel[®] Microcrystalline cellulose (MCC): a portfolio built on three essentials- reliable quality, reliable supply, and reliable support.

Pharmacel[®] - Microcrystalline cellulose.

Reliable. It's as simple as that.



Reliable quality.



Reliable supply.



Reliable support.

Our commitment to reliability means you can focus on what matters most, **bringing your medicines to patients globally, moving to a healthier world.**



Reliable quality.

Your tablets deserve more than just 'good enough'. They deserve consistency you can count on, every single batch.

With Pharmacel® MCC, quality isn't just a promise; it's a cornerstone of our commitment to excellence:

- ultra-low nitrites, typical < 25 ppb
- minimal dark particles
- proven batch-to-batch consistency

All controlled by design, not by batch selection. High purity raw materials and rigorous in-process and QC controls ensure predictable performance.

Why it matters:

- Fewer deviations, smoother development, and confidence in every batch.



Reliable supply.

Choose a partner whose supply strength and sustainability are built for today and tomorrow.

A resilient, pharma-dedicated MCC portfolio with

- secured high quality and sustainably sourced raw materials
- global logistics and warehousing
- robust business contingency
- highly decarbonized production powered by 100% certified green electricity and biomass energy

Ensures long-term availability without compromise.

Why it matters:

- Reduced supply risk, stable planning, and uninterrupted production.



Reliable support.

Work with experts who understand your challenges and how to solve them. Because great products deserve great support.

Dedicated technical and regulatory experts support you from early development through scale-up and commercialization:

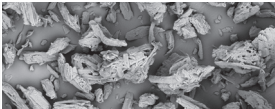
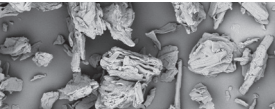
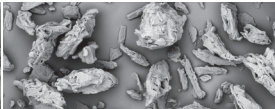
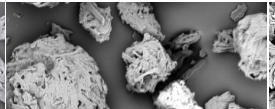
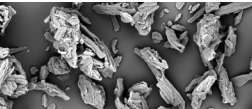
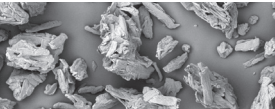
- comprehensive documentation
- technical and regulatory support
- responsive local teams

Ensure questions are addressed quickly and effectively.

Why it matters:

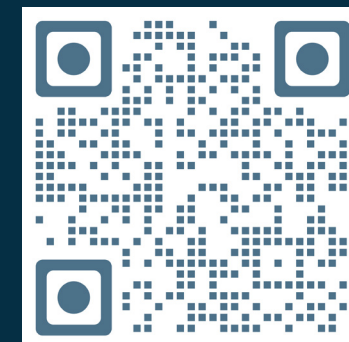
- Faster issue resolution, decision making and a smoother path from formation to market.

Pharmacel® - Microcrystalline cellulose

Parameters	Pharmacel® 101	Pharmacel® 102	Pharmacel® 112	Pharmacel® 200	Pharmacel® sMCC 50	Pharmacel® sMCC 90
Chemical nature	Partially de-polymerized α-cellulose				Silicified MCC	
Mean size	50 micron	100 micron	100 micron	200 micron	60 microns	110 micron
SEM image						
Specifications						
Water content (%w/w)	Max 5%	Max 5%	Max 1.5%	Max 5%	Max 6%	Max 6%
Bulk density (g/ml)	0.26 - 0.31	0.28 - 0.33	0.28 - 0.33	0.29 - 0.36	0.25-0.37	0.25 - 0.37
Tabletability	● ● ● ● ○	● ● ● ○ ○	● ● ● ○ ○	● ● ● ○ ○	● ● ● ● ●	● ● ● ● ●
Flowability	● ● ● ○ ○	● ● ● ● ○	● ● ● ● ○	● ● ● ● ●	● ● ● ● ○	● ● ● ● ●
Application	• Wet and dry granulation	• Direct compression	• Direct compression of moisture sensitive products	• Direct compression • Improved flow	• Direct compression and wet granulation • Improved flow and compaction	• Direct compression • Improved flow and compaction

Our century long excipient expertise to your formulations.

Harnessing a century-long heritage in excipients, DFE Pharma is synonymous of reliable expertise in pharmaceutical formulations. Powered by our legacy of excellence, we deliver trusted solutions that drive innovation and elevate industry standards. Pharmacel® is more than just a product; it brings to you the expertise of a partner with a proven track record of reliability.



Learn more: dfepharma.com/productfinder/

Your medicines, our solutions. **Moving to a healthier world.** dfepharma.com