

Technical specification 101/102

Microcrystalline Cellulose

Technical specification:

Comply with USP, EP and CP.

Reference usage	Unit	Quality Index
Appearance	-	White or quasi-white powder
Odour	-	Odourless and tasteless
Content	%	97.0-102.0
pH	-	5.0-7.5
Insolubles in water	%	≤0.2
Chloride	%	≤0.03
Loss on drying	%	≤5.0
Residue on ignition	%	≤0.2
Heavy metals	ppm	≤10
Arsenic	%	≤0.0002

Specification	Pellet Diameter (μ m)	Loss on drying (<%)	Bulk density (g/ml)	Application
101	50	5%	0.29	Most popular grade, suited for all tableting processes, especially for wet granulation and globular granule production.
102	90	5%	0.29	Better flowability than MCC101. Suited for direct tableting and improves the liquidity of capsule fillings.

Reference usage:

Reference usage	
Tablet binder / Thinner (Wet granulation)	5-20%
Tablet binder / Thinner (Dry tableting)	5-20%
Tablet disintegrant	5-15%
Tablet flow aid	5-15%

Antiagglomerant	5-20%
Capsule thinner	10-30%

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