

MICROCEL® – MICROCRYSTALLINE CELLULOSE

MICROCEL® is a partially depolymerized cellulose, white, odorless and tasteless crystalline powder, composed by porous and high compressibility particles.

Microcrystalline cellulose is widely used in the pharmaceutical industry in the manufacture of tablets, capsules and others, either in direct compression or in dry and wet granulation processes.

MICROCEL® is commercially available in several grades, such as 101, 102, 12, 200 and 112 each with different properties and applications.



MICROCEL® TYPES

	TYPES				
	101	102	12	200	112
Average Particle Size (Microns)	50	100	160	180	100
Retained on 60 mesh (%)	NMT 1	NMT 8	NLT 10	NLT 10	NMT 8
Retained on 100 mesh (%)	-	-	NLT 40	NLT 50	-
Retained on 200 mesh (%)	NMT 30	NLT 45	-	-	NLT 45
Loss on drying (%)	NMT 7	NMT 7	NMT 7	NMT 7	NMT 1.5
Bulk density (g/cm ³)	0.26-0.31	0.28-0.33	0.30-0.40	0.33-0.40	0.28-.33

NMT = Not More Than / NLT = Not Less Than

MAIN FUNCTIONS AND APPLICATIONS

	TYPES				
	101	102	12	200	112
Wet Granulation	✓	✓			
Direct Compression		✓	✓	✓	✓
Poor Flowing APIs			✓	✓	
API Adsorption/Absorption	✓	✓	✓	✓	
Vegetable Extracts Adsorption/Absorption	✓	✓	✓	✓	
Capsule (Automatic Filling)		✓			✓
Capsule (Semi-Automatic Filling)			✓	✓	✓
Pellet & Spheronization	✓				
Moisture Sensitive Ingredients					✓



GLUTEN FREE



NON-GMO



SUGAR FREE



LACTOSE FREE

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