



ALCON BIOSCIENCES PRIVATE LIMITED

Admn. Office: 112, Marine Chambers, 11 New Marine Lines, Mumbai - 400 020, India
Tel.: ++91 -22-6150 5222, 6633 2427-31 • Fax : ++91-22-2207 1955
E-mail : alcon@alconpharma.com • Web Site : www.alconpharma.com

Plant : A-1/2104, Phase III, GIDC - Vapi, Gujarat - 396 195, India.
Tel : ++91 (0260) 2431572 • Fax : ++91 (0260) 2401565 / 2433964

SPECIFICATION OF MICROCRYSTALLINE CELLULOSE 102

Product Name: MICROCRYSTALLINE CELLULOSE 102

TEST	SPECIFICATION
Chemical Description	Fine white or almost white powder. It consists of free flowing non-fibrous particles
Solubility	Insoluble in water, in dilute Acids and in most organic solvents. Practically insoluble in 50g/l solution of sodium Hydroxide
Identification	
a. By Chemical	The substance become violet- blue with iodinated zinc chloride solution
b. By Chemical	The degree of polymerization should NMT 350
pH	5.0-7.5
Conductivity	NMT 75 μ S/cm-1
Ether soluble substances	NMT 0.05%
Water soluble substances	NMT 0.25%
Heavy metals	NMT 10ppm
Starch	Negative
Loss on drying	NMT 7.0%
Residue on ignition	NMT 0.1%
Physical Bulk density, gm/cc	
Untapped	0.26-0.36
Tapped	-----
Sieve Analysis	
(+)60 mesh	NMT 8.0
(+)200mesh	NLT 45.0
Microbial Limits	
Total aerobic microbial count	NMT 1000cfu/gm
Toal combined moulds& yeast count	NMT 100cfu/gm
Escherichia coli	Absent
Salmonella species	Absent
Staphylococcus species	Absent
Pseudomonas auriginosa	Absent
assay (On dried basis)	Between 97-102%

Remark : The material complies as per BP/USP