



ALCON BIOSCIENCES PRIVATE LIMITED

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SPECIFICATION OF MICROCRYSTALLINE CELLULOSE 101

Product Name: MICROCRYSTALLINE CELLULOSE 101

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 1.0
(+)200mesh	NMT 30.0
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 aeuriginosa	Absent
Assay (On dried basis)	Between 97-102%

Remark: The material complies as per BP/USP