



NAME OF PRODUCT: MICROCRYSTALLINE CELLULOSE- USP

SR.NO	TEST	LIMIT
1	Description	Fine, white or almost white powder. It consists of free-flowing, nonfibrous particles.
2	Solubility	Practically insoluble in sodium hydroxide solution (1 in 20); insoluble in water, in dilute acids, and in most organic solvents.
3	Identification: Identification A	The substance takes on a violet blue colour.
	Identification B	The Degree of polymerization is not greater than 350.
4	Conductivity	The conductivity of the supernatant does not exceed the conductivity of the water by more than 75 μ s per cm.
5	pH <791>	Between 5.0 to 7.5
6	Loss on Drying <731> (at 105° C for 3 hours)	NMT 7.0 % w/w
7	Residue on ignition <281>	NMT 0.1 % w/w
8	Bulk density	The bulk density is within the labeled specification.
9	Water soluble substance	The difference between the weight of the residue and the weight obtained from a blank determination does not exceed 12.5 mg (0.25%).
10	Ether soluble substance	The difference between the weight of the residue and weight obtained from a blank determination does not exceed 5.0 mg (0.05%).
11	Microbial enumeration tests <61> and Tests for specified microorganisms <62>	
	Total aerobic microbial count	NMT 1000 cfu/g
	Total combined molds and yeasts	NMT 100 cfu/g
	E. coli	Absent
	Salmonella	Absent
	S. aureus	Absent
	Ps. aeruginosa	Absent
12	Additional test	
	Heavy metal	NMT 10ppm