



## ALCON BIOSCIENCES PRIVATE LIMITED

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### SPECIFICATION OF MICROCRYSTALLINE CELLULOSE 112

**Product Name : Microcrystalline cellulose 112**

TEST	SPECIFICATION
<b>Description</b>	White or almost white powder, Fine or granular powder
<b>Solubility</b>	Practically insoluble in water, in acetone, in anhydrous ethanol, in toluene, in dilute acids and in a 50g/l solution of sodium hydroxide.
<b>Identification</b>	The substance becomes violet-blue with iodinated Zinc Chloride Solution. The degree of Polymerization should not be more than 350
<b>Solubility ( Ammonical Copper tetramine)</b>	It dissolves completely leaving no residue
<b>pH</b>	5.0 – 7.5
<b>Conductivity</b>	<75 $\mu$ s/cm
<b>Ether Soluble Substance</b>	<0.05 %
<b>Water Soluble Substance</b>	<0.25 %
<b>Heavy metals</b>	<10 ppm
<b>Loss on drying</b>	<1.50 %
<b>Residue on Ignition/Sulphated Ash.</b>	<0.10 %
<b>Bulk Density gm/cc Un Tapped</b>	0.32 – 0.36
<b>Sieve Analysis (+) 60 Mesh (+) 200Mesh</b>	<8.0% >45.0%
<b>MICROBIAL TESTS:</b>	
<b>Total Aerobic Microbial count,</b>	<1000 CFU / g.
<b>Total combined Molds &amp; Yeasts Count</b>	<100 CFU / g.
<b>Escherichia coli</b>	Absent in 1 g.
<b>Salmonella species</b>	Absent in 10 g.
<b>Staphylococcus aureus</b>	Absent in 1 g.
<b>Pseudomonas aeruginosa</b>	Absent in 1 g.

**REMARK: THE PRODUCT COMPLIES AS PER BP/ USP SPECIFICATION.**