

# NB ENTREPRENEURS

(AN ISO 9001:2008 CERTIFIED COMPANY)

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## MICROCRYSTALLINE CELLULOSE

### Pharmacopoeias Specifications (Comparison)

	IP 2014 + Micro-NB Specification	PhEur/BP 2014	USP 37- NF32
Appearance : White			
Odour	Odourless	N.A.	N.A.
Solubility	N.A.	Comply	N.A.
Identification A+B+C	Comply	A+B	A+B
pH Value	5 to 7.5	5 to 7.5	5 to 7.5
Loss on Drying, % NMT	6	7	7
Sulphated Ash, % NMT	0.2	0.1	0.1
Assay, %	97 - 102	N.A.	N.A.
Conductivity, $\mu\text{S} / \text{cm}$ , not exceed than water by	N.A.	75	75
Water Soluble substances, % NMT	0.20	0.25	0.25
Ether Soluble Substances, %NMT	N.A.	0.05	0.05
Organic Impurities	Comply	N.A.	N.A.
Organic Volatile Impurities	N.A.	N.A.	N.A.
Heavy Metals, PPM NMT	10	10	10
Arsenic, PPM, NMT	2	N.A.	N.A.
Starch and Dextrins	Absent	N.A.	N.A.

### Microbiology

Total Aerobic Microbial Count, CFU/g, NMT	1,000	1,000	1,000
Total Yeast and Mold Count, CFU/g, NMT	100	100	100
Pseudomonas aeruginos, per g	Absent	Absent	Absent
Escherichia coli, per g	Absent	Absent	Absent
Staphylococcus aureus, per g	Absent	Absent	Absent
Salmonella sp., per 10 g	Absent	Absent	Absent

### MCC Produced by N B ENTREPRENEURS with different Physical Properties

NBE Standards/ In house Specifications			Screen Analysis			Bulk Density, g/cc
Type	Moisture	Black Particles	+ 60 Mesh,	+ 100 Mesh,	+ 200 Mesh,	
	% NMT	In 10g NMT	Wt. %	Wt. %	Wt. %	
SANCEL 101	6	15	NMT 1		NMT 30	0.25-0.45
SANCEL 102	6	10	NMT 8		NLT 45	0.30-0.50
SANCEL 112	1.5	10	NMT 8		NLT 45	0.30-0.50
SANCEL 200	6	10	NLT 10	NLT 50		0.30-0.50

**NMT = Not more than, NLT = Not Less than, N.A. = Not Applicable**

**Above Listed Types of MCC are available with IP/PhEur/BP/USP-NF Specifications.**

#### Warranty:

Because of the numerous factors affecting results, SANCEL products are sold on the understanding that purchasers will make their own tests to determine the suitability of this product for their particular purposes. The several uses suggested by us are presented only to assist our customers in exploring possible applications for SANCEL. All information and data presented are believed to be accurate and reliable, but are presented without the assumption of any liability by NB ENTREPRENEURS.