MICROCEL

MICROCRYSTALLINE CELLULOSE

CERTIFICATE OF ANALYSIS

TYPE: MC-12
LOT:

ANALYSIS	SPECIFICATIONS	RESULTS	METHODS
Appearance	White, non fibrous powder, odorless	Pass	IQ-10-101
Loss on drying %	Not more than 7.0	3.2	USP/NF/EP
pH	5.0 to 7.0	6.3	USP/NF/EP
Identification A	Positive	Positive	USP/NF/EP
Identification B (degree of polymerization)	Not more than 350	265	USP/NF/EP
Water soluble substances %	Not more than 0.24	0.19	USP/NF/EP
Residue on ignition (sulphated ash) %	Not more than 0.05	0.04	USP/NF/EP
Heavy metals ppm	Not more than 10	Pass	USP/NF
Ether soluble substances %	Not more than 0.05	0.00	USP/NF/EP
Solubility in copper tetramine	Positive	Positive	EP
Conductivity uS	Not more than 75	41	USP/NF/EP
Bulk density g/cm3	0.30 to 0.40	0.34	USP/NF
Retained 60 mesh (250 microns) %	Not less than 10.0	14.6	IQ-10-118
Retained 100 mesh (150 microns) %	Not less than 40.0	48.4	IQ-10-118

This product is manufactured in accordance with the Good Manufacturing Practices and complies with USP39/NF34, EP9ed. specifications.
Solubility: Practically insoluble in sodium hydroxide solution (1 in 20); insoluble in water, in dilute acids, and in most organic solvents.
Conforms with Blanver Microbiological Specifications: Total Aerobic Microbial Count - NMT 1000 cfu per gram, Total Combined Molds and Yeasts Count - NMT 100 cfu per gram, absence in a 10 gram sample - Staphylococcus aureus, Pseudomonas aeruginosa, Escherichia coli, Salmonella species - USP <61> and <62>.
This product meets the requirement for Residual Solvents - USP <467> / EP <5.4>. No solvents are used in the manufacturing process.

Manufacturing site: Blanver, Itapevi Unit - Brazil.

Manufacturing Date: 30/jan/2017
Re-Evaluation Date: 30/jan/2020
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