



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

Certificate of Analysis

Product Name: Microcrystalline Cellulose 101

Manufacturing Date: Nov 11th, 2022

Quantity: 8000kg

Standard: USP43

Batch No.: HDC20221111

Retest Date: Nov 10th, 2025

Packing: 20kg/bag

Report Date: Nov 12th, 2022

Test Items	Specifications	Test Results
Identification	Positive	Conforms
Degree of polymerization	Not more than 350	268
pH Value	5.0 ~ 7.5	6.63
Ether-soluble Matter	Not more than 0.05%	0.03%
Water-soluble Matter	Not more than 0.25%	0.18%
Conductivity	Not more than 75 μ S/cm	28.3 μ S/cm
Heavy Metals	Not more than 10 ppm	<10 ppm
Residue on Ignition	Not more than 0.1%	0.09%
Loss on Drying	Not more than 7.0%	3.81%
Bulk Density	0.32 g/mL ~ 0.42 g/mL	0.368 g/mL
Particle Size	\geq 99% pass through 60 mesh sieve	Conforms
	\geq 70% pass through 200 mesh sieve	Conforms
Total Plate Count	Not more than 1000 CFU/g	Conforms
Total Yeasts & Moulds	Not more than 100 CFU/g	Conforms
Escherichia coli	Negative	Conforms
Salmonella	Negative	Conforms

Conclusion: The testing results of this batch are complied with USP43 Standard.