



Specification

Concerning Product:	
Article number	9004346DPEU1
Trade name / designation / denomination	mikrokristalline Cellulose, Typ 101
CAS number	9004-34-6
Other names / synonyms	•Cellulose;
EC number	232-674-9 232-674-9
Formula	(C ₆ H ₁₀ O ₅) _n

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance		white or almost white fine, crystalline or granular, slightly hygroscopic powder having fluidity, odorless	
Physical parameter			
Conductivity		≤ 75	μS/cm
Loss on drying		3,0 – 5,0	%
pH value		5,5 – 7,0	
Bulk density		0,26 – 0,31	g/ml
Solubility	in ammoniacal copper tetrammine	pass	
Solubility		Practically insoluble in water, acetone, anhydrous ethanol, toluene, diethyl ether and dilute acids and swells in 50 g/l Sodium hydroxide solution.	
Identity			
Assay		97,0 – 102,0	%
Identification	A, B, C	passes test	
Impurities			
Residue on ignition		≤ 0,05	%
Heavy Metals (as Pb)		≤ 10	ppm
Soluble part	Water	≤ 0,2	%
Soluble part	Ether	≤ 0,05	%
Elemental Impurities			
Arsenic (As)		≤ 2,0	ppm
Organic volatile impurities			
Org. volat. Imp. Total		complies	

Microbiological data			
Aerobic microorganisms		≤ 100	CFU/g
Escherichia Coli.		neg.	CFU/g
Pseudomonas aeruginosa		neg.	
Salmonella		neg.	
Staphylococcus Aureus		neg.	
Yeast and Mould		≤ 20	CFU/g
Particle size distribution			
Particles	D90 Malvern	90 – 156	ym
Particles	D50 Malvern	40 – 75	µm
Particles	D10 Malvern	14 – 30	µm
Particles	Airjet	< 250µm ≥ 99	%
Particles	Airjet	< 75µm 70,0 – 90,0	%

Supplemental information:

Shelf life: 4 years

Storage conditions: Keep in original, un-opened packing in ambient conditions protected from humidity and away from strongly odorous materials.

Complies with monographie: USP-NF, Ph.Eur., JP

Packing: 25 kg Carton

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 19. Oct. 2021

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