QUALITY CONTROL

Caesar & Loretz GmbH Herderstr. 31 40721 Hilden Phone: 02103/49940

Certificate of analysis



Article	4277	Hypromellose, nominale Viskosität 4000		
Synonym Synonym		Methocel E4M®,Hydroxypropylmethylcellulose Hypromellose, apparent viscosity 4000		
Specification	Ph.Eur.10.6			
Production date	07.2022	Retest date	07.2025	
Test		Specification	Result	
Substitution type		****	2910	
Characters		According to specification	Complies	
Appearance		According to specification	Complies	
Solubility		According to specification	Complies	
Identification		According to specification	Complies	
A		According to specification	Complies	
В		According to specification	Complies	
С		According to specification	Complies	
D		According to specification	Complies	
Flocculation temperature		Min. 50 °C	52 °C	
Tests		According to specification	Complies	
Appearance of solution		According to specification	Complies	
pH-Value		5,0 8,0	6,0	
Viscosity		3000 5600 mPa*s	4233 mPa*s	
Loss on drying		Max. 5,0 %	2,4 %	
Sulphated ash		Max. 1,5 %	0,3 %	#
Assay (Methoxy groups)		28,0 30,0 %	28,8 %	#
Assay (Hydroxypropoxy groups)		7,0 12,0 %	9,0 %	#
Complies specification			Yes	

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Article	4277	Hypromellose, nomin	Hypromellose, nominale Viskosität 4000		
Synonym		Methocel E4M®, Hydroxypropylmethylcellulose			
Synonym		Hypromellose, apparent viscosity 4000			
Batch	23000497				
Specification	Ph.Eur.10.6				
Production date	07.2022	Retest date	07.2025		
Release date	22.06.2023	Released by	Frau Apoth. Dr.		
			Schücker, QP		

Results marked with # were taken from the manufacturer's certificate.

The batch 23000497 complies specification.

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