

Certificate of analysis



Article	4277	Hypromellose, nominale Viskosität 4000	
Synonym		Methocel E4M®, Hydroxypropylmethylcellulose	
Synonym		Hypromellose, apparent viscosity 4000	
Batch	24001679		
Specification	Ph.Eur.11.0		
Production date	03.2024	Retest date	03.2027

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
B	According to specification	Complies
C	According to specification	Complies
D	According to specification	Complies
Flocculation temperature	Min. 50 °C	54 °C
Tests	According to specification	Complies
Appearance of solution	According to specification	Complies
pH-Value	5,0 ... 8,0	7.7
Viscosity	3000 ... 5600 mPa*s	3763 mPa*s
Loss on drying	Max. 5,0 %	1.6 %
Sulphated ash	Max. 1,5 %	0.1 %
Assay (Methoxy groups)	28,0 ... 30,0 %	29.0 %
Assay (Hydroxypropoxy groups)	7,0 ... 12,0 %	8.8 %
Complies specification		Yes

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Release date	02.10.2024	Released by	Frau Apoth. Dr. Schücker, QP
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Results marked with # were taken from the manufacturer's certificate.

The batch 24001679 complies specification.

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