

Certificate of analysis



Article	3297	Macrogol 4000 Pulver	
Synonym		Macrogola 4000, Polyäthylenglycolum 4000	
Synonym		Macrogols 4000 powder	
Batch	24000623		
Specification	Ph.Eur.11.0		
Production date	10.2023	Retest date	10.2026

Test	Specification	Result	
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	
Raman spectrophotometry	According to specification	Complies	
Tests	According to specification	Complies	
Appearance of solution	According to specification	Complies	
Acidity or alkalinity	According to specification	Complies	
Viscosity	110 ... 170 mPa*s	122 mPa*s	
Freezing point	53 ... 59 °C	54 °C	
Hydroxyl value	25 ... 32	28	#
Reducing substances	According to specification	Complies	#
Formaldehyde	Max. 30 ppm	< 15 ppm	#
Ethylene oxide	Max. 1 ppm	0 ppm	#
Dioxan	Max. 10 ppm	0 ppm	#
Water	Max. 1,0 %	0.1 %	#
Sulphated ash	Max. 0,2 %	< 0.2 %	#
Stabilizer	Quantity / description	6 ppm BHT	#
Complies specification		Yes	

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Release date	18.03.2024	Released by	Frau Apoth. Dr. Schücker, QP
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Results marked with # were taken from the manufacturer's certificate.

The batch 24000623 complies specification.

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