QUALITY CONTROL

Caesar & Loretz GmbH Herderstr. 31 40721 Hilden

Phone: 02103/49940

Certificate of analysis



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Article	3297	Macrogol 4000 Pulver
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Synonym Macrogola 4000, Polyaethylenglycolum 4000

Synonym Macrogols 4000 powder

Batch 23001960

Specification Ph.Eur.10.3

Production date 04.2023 Retest date 04.2026

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	
В	According to specification	Complies	
C	According to specification	Complies	
Raman spectophotometry	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	128 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	5 ppm BHT	#
Complies specification		Yes	

METAPHARMACEUTICAL

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18/04/2

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Frau Apoth. Dr. Schücker, QP

Article	3297	Macrogol 4000 Pulve	Macrogol 4000 Pulver	
Synonym		Macrogola 4000, Pol	Macrogola 4000, Polyaethylenglycolum 4000	
Synonym		Macrogols 4000 pow	Macrogols 4000 powder	
Batch	23001960			
Specification	Ph.Eur.10.3			
Production date	04.2023	Retest date	04.2026	

Released by

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

10.08.2023

The batch 23001960 complies specification.

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