Certificate of analysis

Article	2247	Glycerinmonostearat 40 - 55 %	
Synonym		Glycerolmonostearat40 - 55 (Typ II)	
Synonym		Glycerol monostearate 40-55%	
Batch	23000431		
Specification	Ph.Eur.10.0		
Production date	05.2022	Retest date	05.2025

Test	Specification	Result	
Characters	According to specification	Complies	
Appearance	According to specification	Complies	
Solubility	According to specification	Complies	
Identification	According to specification	Complies	
Melting point-open capillary method	54 ... 66 °C	60 °C	
Thin-layer chromatography	According to specification	Complies	
C	According to specification	Not carried out	
D	According to specification	Not carried out	
Tests	According to specification	Complies	
Acid value	Max. 3,0	1,5	
Iodine value	Max. 3,0	< 0,1	#
Saponification value	158 ... 177	172	#
Free glycerole	Max. 6,0 %	< 0,7 %	#
Water	Max. 1,0 %	0,1 %	
Total ash	Max. 0,1 %	< 0,1 %	#
Composition of fatty acids	According to specification	Complies	#
Type II	According to specification	Complies	#
Stearic acid	60,0 ... 80,0 %	69,8 %	#
Stearic acid and palmitic acid	Min. 90,0 %	98,5 %	#
Origin:	Tierisch/Pflanzlich/Synthetisch	pflanzlich	
Assay (Monoacylglycerol)	40,0 ... 55,0 %	46,9 %	#
Assay (Diacylglycerol)	30,0 ... 45,0 %	42,5 %	#
Assay (Triacylglycerol)	5,0 ... 15,0 %	9,3 %	#
Complies specification		Yes	

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Release date	26.05.2023	Released by	Frau Apoth. Dr. Schücker, QP

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

The batch 23000431 complies specification.

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