

## Certificate of analysis



Article	633B	Kakaobutter "Chips"	
Synonym		Oleum cacao	
Synonym		Cocoa butter	
Batch	23003224		
Specification	Ph.Eur.11.0		
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	
Refractive index (40°C)	ca. 1,457	1,457	
Identification	According to specification	Complies	
Melting temperature open capillary	31 ... 35 °C	33 °C	
Gas chromatography	According to specification	Not carried out	
Thin-layer chromatography	According to specification	Complies	
Tests	According to specification	Complies	
Acid value	Max. 4,0	3.0	
Peroxide value	Max. 3,0	1.5	
Saponification value	188 ... 198	189	#
Alkaline substances	Max. 2	< 2 ml 0,01 M HCl	#
Composition of fatty acids	According to specification	Complies	#
Lauric acid	Max. 0,5 %	< 0.1 %	#
Myristic acid	Max. 0,5 %	0.1 %	#
Palmitic acid	24,0 ... 31,0 %	25.5 %	#
Stearic acid	30,0 ... 38,0 %	36.8 %	#
Oleic acid	31,0 ... 38,0 %	32.2 %	#
Linoleic acid	Max. 4,5 %	2.7 %	#
Arachidic acid	Max. 1,5 %	1.1 %	#
Complies specification		Yes	

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Release date	13.12.2023	Released by	Frau Apoth. Dr. Schücker, QP
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Results marked with # were taken from the manufacturer's certificate.

The batch 23003224 complies specification.

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