

Certificate of analysis



Article	633B	Kakaobutter "Chips"	
Synonym		Oleum cacao	
Synonym		Cocoa butter	
Batch	24002448		
Specification	Ph.Eur.11.0		
Production date	09.2024	Retest date	09.2027

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	32 °C
Gas chromatography	According to specification	Complies
Thin-layer chromatography	According to specification	Not carried out
Tests	According to specification	Complies
Acid value	Max. 4,0	2.8
Peroxide value	Max. 3,0	0.6
Saponification value	188 ... 198	192
Alkaline substances	Max. 2	1 ml 0,01 M HCl
Composition of fatty acids	According to specification	Complies
Lauric acid	Max. 0,5 %	0.0 %
Myristic acid	Max. 0,5 %	0.1 %
Palmitic acid	24,0 ... 31,0 %	25.0 %
Stearic acid	30,0 ... 38,0 %	34.8 %
Oleic acid	31,0 ... 38,0 %	31.9 %
Linoleic acid	Max. 4,5 %	2.8 %
Arachidic acid	Max. 1,5 %	1.1 %
Complies specification		Yes

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Release date	20.12.2024	Released by	Frau Apoth. Dr. Schücker, QP
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Results marked with # were taken from the manufacturer's certificate.

The batch 24002448 complies specification.

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