

Product name:

Product code:

Batch:

Best before date:

Cocoa CO2-se extract
CO180
912003
06/2027

General identification data		
Parameter	Value	
CAS No.	84649-99-0	
EC number	283-480-6	
Product color	Beige, Amber	
HS code	33012949	
INCI	Theobroma Cacao Extract	
Country of origin	Germany	
Grade	Cosmetic Grade, Food Grade	
Processing method	CO2 Extraction	
Storage conditions	Protect from light, Store in a dry and clean environment	
Odour	Characteristic, Sweet	
Appearance	Butter, Oil solution	
Analytical parameters		
Parameter	Value	Range
Benzo[a]pyrene, C20H12 (ppm)	(< 0,001)	< 0,005
Caffeine (%)	5,2	< 7
Lactones (%)	0,012	
Phenol content (mg/kg)	0,012	
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene (ppm)	(0,01)	< 0,030
Fatty acid profile		
Parameter	Value	
Alpha-linolenic acid C18:3	0,37	

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Fatty acid profile	
Parameter	Value
Arachidic acid C20:0	0,54
Gamma-linolenic acid C18:3	0,32
Linoleic acid C18:2	5,1
Oleic acid C18:1	31,3
Palmitoleic acid C16:1	0,37
Palmitic acid C16:0	34,8
Stearic acid C18:0	27,4

Fatty acid profile		
Parameter	Value	Range
2,3-Butanediol (%)	0,1	> 0,1
Ester (Ethyl laurate, Dodecanoic ethyl ester, Tetradecanoic acid ethyl ester) (%)	0,20	
Nonadecanone (%)	0,18	
Ostatné pyrazíny (%)	0,002	
Pentadecanone (%)	0,022	
Phenylethyl alcohol (%)	0,012	
Pyrazine, 2,6-dimethyl (%)	0,002	
Pyrazine, trimethyl (%)	0,003	
Sum of pyrazines (%)	0,017	> 0,01
Tetramethyl pyrazine (%)	0,010	
Theobromine (%)	0,10	
Theophylline (%)	0,02	

All data and facts above are taken from the certificate provided by the manufacturer. This certificate confirms

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that the product meets all specified quality parameters and regulatory requirements.

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