

Product name:

Product code:

Batch:

Best before date:

Ginger CO2-to Organic Extract

CO800

42516

12/2027

General identification data		
Parameter	Value	
CAS No.	84696-15-1	
EC number	283-634-2	
Product color	Amber	
INCI	Zingiber Officinale Root Extract	
Country of origin	Germany, Nigeria	
Grade	Cosmetic Grade	
Processing method	CO2 Extraction	
Storage conditions	Protect from light, Store at room temperature, Store in a cool place	
Odour	Characteristic, Spicy	
Appearance	Oil solution	

Analytical parameters		
Parameter	Value	Range
Aflatoxin B1 (ppb)	0,01	< 0,01
Aflatoxins B1, B2, G1, G2 (ppb)	0,016	
Flash point (°C)	94	
Refractive index at 20 °C	1,5066	1,500 - 1,520
Essential oil content (%)	42,9	30 - 50
Water content (%)	0,87	
Ochratoxin A (ppb)	3,8	
Optical rotation (°)	1,5066	1,500 - 1,520
Pesticides (ppm)	Complies	
Specific density at 20 °C (g/cm3)	0,9694	0,950 - 0,990

Handymade s.r.o.

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Analytical parameters		
Parameter	Value	Range
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene (ppm)	Complies	
Sum of ethylene oxide and 2-chloroethanol (ppm)	< 0,01	< 0,01
Fatty acid profile		
Parameter	Value	Range
10-Gingerol (%)	4,6	
10-Shogaol (%)	0,12	
6-Gingerol (%)	15,1	14 - 20
6-Shogaol (%)	2,6	
8-Gingerol (%)	2,9	
8-Shogaol (%)	0,15	
Methyl Eugenol (%)	0,16	
Sum of gingerols (%)		24 - 35
Sum of pungent compounds (%)	25,5	24 - 35
Sum of shogaols (%)	2,9	< 5
Zingerone (%)	0,05	< 1

All data and facts above are taken from the certificate provided by the manufacturer. This certificate confirms that the product meets all specified quality parameters and regulatory requirements.

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