Balancing Body, Mind and Spirit
with Pure Essential Oils Since 1995

www.naturesgift.com

316 Old Hickory Blvd East, Madison, TN 37115
Tel (615)612-4270 fax (615)860-9171
sold@naturesgift.com

Certificate of Analysis

Coconut CO2-select

Batch #DE-59381

production: March 2023 retest: March 2028
raw material: *Cocos nucifera* - cold pressed coconut oil, from organic farming

country of origin of raw material: Sri Lanka
country of origin of product: Germany
D/E - ratio: 15 - 20 kg raw material yield 1 kg product.

Product contains: no carriers and excipients

Sensory Check

feature	reference	result
Appearance:	Colourless, liquid to white soft extract depending on temperature	meets
Odour:	characteristic coconut flavour	meets

Analytical Check

feature	method	limits	value	unit
Quantitative analysis of flavour compounds:	GCMS, quantitative using Methyl decanoate:			
delta-Hexalactone	21.229.02, GC	n.s.	0,01	%
delta-Octalactone	21.229.02, GC	n.s.	0,13	%
delta-Nonalactone	21.229.02, GC	n.s.	n.d.	%
delta-Decalactone	21.229.02, GC	n.s.	0,12	%
delta-Dodecalactone	21.229.02, GC	n.s.	0,04	%
delta-Tetradecalactone	21.229.02, GC	n.s.	0,02	%
Total Lactones in extract	21.229.02, GC	≥ 0,25	0,32	%
Total Ketones in extract	21.229.02, GC	< 0,01	n.d.	ppm
Total Ester in extract (Ethyl decanoate, Ethyl dodecanoate)	21.229.02, GC	> 0,01	0,03	%
Fatty acid composition:				
Caprylic Acid C8:0	21.156.03, GCFID	n.s.	10,7	%
Capric Acid C10:0	21.156.03, GCFID	n.s.	7,4	%
Lauric Acid C12:0	21.156.03, GCFID	n.s.	56,7	%
Myristic Acid C14:0	21.156.03, GCFID	n.s.	16,9	%
Palmitic Acid C16:0	21.156.03, GCFID	n.s.	4,6	%
Stearic Acid C18:0	21.156.03, GCFID	n.s.	1,4	%
Oleic Acid C18:1 w9	21.156.03, GCFID	n.s.	2,0	%

n.s. = not specified n.d. = not detected

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feature	method	limits	value	unit
Linoleic Acid C18:2 w6	21.156.03, GCFID	n.s.	0,25	%
Total fat	DGF method, C-VI 10b	n.s.	100,0	%
Saturated fatty acids	DGF method, C-VI 10b	n.s.	97,7	%
Monounsaturated fatty acids	DGF method, C-VI 10b	n.s.	2,0	%
Polyunsaturated fatty acids	DGF method, C-VI 10b	n.s.	0,25	%
Peroxide Value	21.015.03, DGF, Wheeler	< 10	< 1	meq O2/kg
Acid value	21.016.03, DGF	n.s.	1,1	mg KOH/g
Refractive index (20°C)	21.271.01, Digital Refractometer	n.s.	1,4540	
Density (20°C)	21.024.03, Pycnometer	n.s.	0,9302	g/cm³
aw-value	LabSwift aw-value Measurement	< 0,7	0,323 (21,8°C)	
Coconut protein	external analysis	not detectable	meets	
Benzo(a)pyrene	21.177.02, GCMS	< 2	meets	ppb
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene	21.177.02, GCMS	< 20	meets	ppb

n.s. = not specified n.d. = not detected

Digitally signed by Robin Dennemark
Reason: Quality Control
Date: 2023.03.22

The product meets the current version of the analytical (203.002_03_AS) and of the general (203.002_08_S) specification.
date of analysis: 2023.03.22

This computerized CoA has digital signature validated by Nature's Gift.

The data in this report of analysis have been determined carefully and to the best of our knowledge. Depending on transport and storage conditions the indicated data can be subject to certain changes which are outside of our influence. Hence the report has not the meaning of a guaranty in the legal sense and does not dispense the customer from making his own quality control before using the product. For further product-relevant substances, see IFRA list and cosmetic allergen list.