

Nature's Gift®

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

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

www.naturesgift.com

Certificate of Analysis

Turmeric CO2 Total

Batch #GE-59129

production: March 2020 retest: March 2025
raw material: *Curcuma longa* - Rhizome, dried, from organic farming
country of origin of raw material: Nigeria
country of origin of product: Germany
D/E - ratio: 10 - 20 kg raw material yield 1 kg product.

Sensory Check

feature	reference	result
Appearance:	Yellow - orange clear to slightly turbid liquid oil	meets
Odour:	typical smell	meets

Analytical Check

feature	method	limits	value unit
Content of essential oil	21.006.01, Distillation, gravimetric	70 - 90	79,9 % (g/ 100g)
Sum of Curcuminoides (calc. as Curcumin)	21.121.03, HPLC	< 0,5	0,16 %
Volatile components: extract, quantitative:			
ar-Turmerone	21.206.03, GCFID	n.s.	28,6 %
alpha-Turmerone	21.206.03, GCFID	n.s.	13,6 %
beta-Turmerone	21.206.03, GCFID	n.s.	15,3 %
Sum of Turmerones (ar-, alpha- und beta-T.), calc. as ar-Turmerone	21.206.03, GCFID	> 55	57,5 %
Content of water	21.220.01, Karl Fischer method	n.s.	0,7 %
Refractive index (20°C)	21.080.03, Abbe-Refractometer	1,510 - 1,580	1,5142
Density (20°C)	21.024.03, Pycnometer	0,935 - 0,965	0,9564 g/cm ³

n.s. = not specified

n.d. = not detected

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Analytical Check

feature	method	limits	value	unit
Aflatoxin B1	21.193.02, HPLC	EC No. 1881/2006	0,91	ppb
Total Aflatoxines B1,B2,G1,G2	21.193.02, HPLC	EC No. 1881/2006	6,2	ppb
Ochratoxin A	21.197.01, HPLC	EC No. 1881/2006	2,9	ppb
Pesticides	analysed by Eurofins Greenfield, US	USP/EP	meets	
Benzo(a)pyrene	21.177.02, GCMS	< 10,0	meets	ppb
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene	21.177.02, GCMS	< 50,0	meets	ppb
Monitoring of substances*:				
1,8 Cineol	GCMS	n.s.	1,1	%
Camphor	GCMS	n.s.	n.d.	%

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

Digitally signed by Anja Cawellius
Reason: Quality Control
Date: 2020.03.16 10:20:40 +01'00'

The product meets specifications no. 094.005_05_AS and 66.190.05; date of analysis: 2020.03.16
This computerized CoA has digital signature validated by Nature's Gift Aromatherapy.

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.