

Nature's Gift®

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

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Certificate of Analysis

Javanese Turmeric CO2 Select

Batch #GE-59128

production: March 2020 retest: March 2025
raw material: *Curcuma xanthorrhiza* - Roots, dried, from organic farming
country of origin of raw material: Indonesia
country of origin of product: Germany
D/E - ratio: 10 - 13 kg raw material yield 1 kg product.

Sensory Check

feature	reference	result
Appearance:	Yellow - light-greenish clear liquid oil	meets
Odour:	characteristic	meets

Analytical Check

feature	method	limits	value unit
Content of essential oil	21.006.01, Distillation, gravimetric	> 85	94,5 % (g/100g)
Composition of the volatile compounds:	GCMS, 100 % Method		
ar-Curcumene	GCMS, curcuma.met	n.s.	25,5 %
β-Curcumene	GCMS, curcuma.met	n.s.	22,9 %
Xanthorrhizol (Hydroxy-ar-Curcumene)	GCMS, curcuma.met	18 - 28	25,6 %
Sum of Curcumenes	GCMS, curcuma.met	n.s.	74,0 %
Refractive index (20°C)	21.080.03, Abbe-Refractometer	1,507 - 1,513	1,5085
Density (20°C)	21.024.03, Pycnometer	0,910 - 0,940	0,9266 g/cm ³
Pesticides	external analysis	EC No. 396/2005 (Monitoring)	Monitoring*

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

*Compliance with the maximum residue levels of pesticides (EC no. 396/2005) is ensured by suitable monitoring.

Digitally signed by Anja Cawelius
Reason: Quality Control
Date: 2020.03.06 12:29:25 +01'00'

The product meets specifications no. 094.012_03_AS and 66.326.04; date of analysis: 2020.03.06

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.