

Certificate of Analysis

Allspice Berries CO₂-to extract (organic), type no. 133.005

Jamaica-Type, DE-ÖKO-013

batch no. 242311, lab no. 38479

production: October 2024

retest: October 2029

raw material:

Pimenta officinalis - Berries, dried, from organic farming

country of origin of raw material: Honduras

country of origin of product: Germany

D/E - ratio: 17 - 29 kg raw material yield 1 kg product.

Product contains: no carriers and excipients

Sensory Check

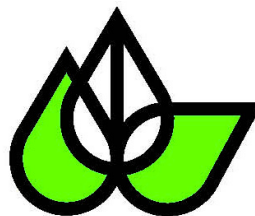
feature	reference	result
Appearance:	Dark brown liquid	meets
Odour:	balmy-spicy and peppery flavour	meets

Analytical Check

feature	method	limits	value	unit
Content of essential oil	21.006.01, Distillation, gravimetric	25 - 45	41,4	% (g/ 100g)
Volatile components, quantitative in extract:				
beta Myrcene	21.161.01, GC	n.s.	2,7	%
Cymene	21.161.01, GC	n.s.	0,03	%
Limonene	21.161.01, GC	n.s.	0,08	%
1,8 Cineol	21.161.01, GC	n.s.	0,81	%
Ocimene	21.161.01, GC	n.s.	0,24	%
Linalool	21.161.01, GC	n.s.	0,82	%
Eugenol	21.161.01, GC	20 - 40	21,4	%
Methyleugenol	21.161.01, GC	n.s.	2,9	%
beta Caryophyllene	21.161.01, GC	n.s.	2,9	%
Humulene	21.161.01, GC	n.s.	0,39	%
Refractive index (20°C)	21.271.01, Digital Refractometer	n.s.	1,4959	
Density (20°C)	21.024.03, Pycnometer	n.s.	0,9642	g/cm ³
Monitoring of substances, not listed above*:				
Estragole (= Methyl chavicol)	GCMS	n.s.	0,08	%

n.s. = not specified

n.d. = not detected



Hochdruckextraktion mit CO₂

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FLAVEX[®]
Naturextrakte

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The product meets the current version of the analytical (133.005_04_AS) and of the general (133.005_04_S) specification.

date of analysis: 2024.10.31

This computerized CoA has digital signature validated by FLAVEX QC.

Digitally signed by Anja Cawelius
Reason: Quality Control
Date: 2024.10.31 16:52:11+01'00'

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.

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