



# **Certificate of Analysis**

### **Allspice Berries CO2-to extract (organic)**

#### Jamaica-Type

Batch #GE-58828

production: August 2012 Retest: February 2017 Expiration date: August 2020

lab no. 22392

raw material: Pimenta officinalis - Berries, dried, from organicfarming

country of origin of rawmaterial: Guatemala country of origin of product: Germany

D/E - ratio: 22 - 25 kg raw material yield 1 kg product.

### **Sensory Check**

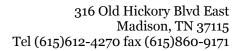
feature	reference	result
Appearance:	Dark brown liquid	meets
Odor:	balmy-spicy and peppery flavor	meets

#### **Analytical Check**

feature	method	limits	value unit
Content of essential oil	21.006.01, Distillation,	25 - 35	29,1 % (g/ 100g)
	gravimetric		
Volatile components (quantitative	in		
extract):			
beta Myrcene	21.161.01, GC	n.s.	1.7 %
Cymene	21.161.01, GC	n.s.	n.d. %
Limonene	21.161.01, GC	n.s.	0.05 %
1,8 Cineol	21.161.01, GC	n.s.	0.16 %
Ocimene	21.161.01, GC	n.s.	0.15 %
Linalool	21.161.01, GC	n.s.	0.07 %
Eugenol	21.161.01, GC	20 - 40	27.3 %
Methyleugenol	21.161.01, GC	n.s.	0.26 %
beta Caryophyllene	21.161.01, GC	n.s.	2.3 %
Humulene	21.161.01, GC	n.s.	0.26 %
Refractive index (20°C)	21.080.03,	n.s.	1.4902
,	Abbe-Refractometer		
Density (20°C)	21.024.03, Pycnometer	n.s.	0.9499 g/cm <sup>3</sup>

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

Storage conditions: Store in a cool, dry place!





orderdesk@naturesgift.com

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Allspice Berries CO2-to extract (organic)

Jamaica-Type

Batch #GE-58828

Digitally signed by Anja Cawelius Reason: Quality Control Date: 2017.02.24 08:56:22 +01'00'

The product meets specifications no. 66.350.02/66.289.01; date of analysis: 2017.02.24 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.