

## TECHNICAL DATA SHEET

Effective date: 04.2019

### Cinnamon Leaf Essential Oil Pure

#### INFORMATION ON SUBSTANCE / MIXTURE

INCI	Cinnamomum zeylanicum leaf oil
Botanical name	Cinnamomum zeylanicum Blume. / Cinnamomum verum L. Presl.
Manufacturing process	Obtained by steam distillation from the leaves of the cinnamon tree, pure & natural
Part used	Leaves

#### TECHNICAL DATA

##### Physical parameters

Appearance	Liquid
Color	Yellow to brown-yellow
Odor	Aromatic, spicy
Relative density at 20°C	[1.037 ; 1.053]
Refractive index at 20°C	[1.527 ; 1.540]
Specific rotation (°)	[-2.5 ; +2]
Flash point	94°C

##### Chemical parameters

Hydrocarbon content	9.7 %
V.O.C. content (volatile organic compound)	NA

##### Biological parameters

Aerobic Bacteria (TAMC)	< 100 cfu/g
Yeasts and molds	< 10 cfu/g
Enterobacteriaceae	< 10 cfu/g
Salmonella	Absent /25g
Escherichia coli	Absent /g
Staphylococcus aureus	Absent /g

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#### Contaminants

Heavy metals	The raw plant material conforms to EC Reg. 629/2008. Because of the concentration factor of the extraction process, the extract itself may have high levels of some heavy metals. However, at the recommended level of use per application, the final consumer product will also conform to European legislation.
Pesticides	The raw plant material conforms to EC Reg. 839/2008 amending EC Reg. 396/2005. Because of the concentration factor of the extraction process, the extract itself may have high levels of some pesticides. However, at the recommended level of use per application, the final consumer product will also conform to European legislation.
Residual solvents	According to Directive 2009/32/EC
Mycotoxins/ contaminants	According to EC Reg. 629/2008 amending EC Reg. 1881/2006
IPA	According to CE Reg. 2015/1933
BSE/TSE	Does not contain ingredients of animal origin, there is no risk of cross contamination because it is not present in our factory
GMO	GMO free according to EC Reg. 1829/2003 and 1830/2003
Radioactivity	According to EC Reg. 1048/2009 (extension of EC Regulation 733/2008)

#### Content of limited substances which shall not be added as such to food (annex III CE Reg. 1334/2008)

Compound	Max %
Agaric acid	0.00
Aloin	0.00
Capsaicin	0.00
1,2-Benzopyrone, coumarin	0.10
Hypericin	0.00
Beta-asarone	0.00
Estragole (methyl caviicol, 1-allil-4-methoxybenzene)	0.00
Hydrocyanic acid	0.00
Menthofuran	0.00
Methyleugenol (4-allil-1,2-dimethoxybenzene)	0.10
Pulegone	0.00

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Quassin	0.00
Safrole (1-allil-3,4 methylenedioxybenzene)	2.00
Teucrin A	0.00
Alpha-thujone	0.00
Beta-thujone	0.00



### TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store product in full, tightly closed containers
Shelf Life	Min 36 months under good storage conditions

### LEGISLATION

Certification	-
Vegan and vegetarian statement	This product is 100% vegetable origin. It does not contain animal ingredients, it is not tested on animals and the manufacturing process does not include animal ingredients or byproducts.
FDA	182.20
FEMA	2292
COE	133n
EINECS	283-479-0
CAS	8015-91-6 / 84649-98-9
REACH pre-registration no.	05-2118412681-49-0000

### LABELING

Hazard pictograms	 
Hazard categories	CAR1B Carcinogenicity 1B EDI2 Serious eye damage / eye irritation 2 EHC3 Hazardous to the aquatic environment, long-term hazard 3 MUT2 Germ cell mutagenicity 2

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	SS1A Sensitization, skin 1A
Hazard statements	<p>H317 - May cause an allergic skin reaction.</p> <p>H319 - Causes serious eye irritation.</p> <p>H341 - Suspected of causing genetic defects.</p> <p>H350 - May cause cancer.</p> <p>H412 - Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P201 - Obtain special instructions before use.</p> <p>P202 - Do not handle until all safety precautions have been read and understood.</p> <p>P264 - Wash thoroughly after handling.</p> <p>P272 - Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 - Avoid release to the environment.</p> <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</p>
European Union specific hazard statements	None

#### DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.