

Product identification

Latin - Name	Elettaria cardamomum L
INCI - Name	Elettaria cardamomum seed oil*
Part use	Seed
Manufacturing	Distillation with water steam
Treatment	NO

Regulation

N° CAS TSCA:	8000 - 66 - 6
N° CAS EINECS:	85940 - 32 - 5
N° EINECS:	288 - 922 - 1
Origin:	INDE
Use:	Industry YES Cosmetic YES Food YES

Nature of the product and certification

Huile essentielle 100 % pure et naturelle. Agriculture NO EU.

Ingredient from organic farming*

Certified 100% organic by Ecocert Greenlife according to COSMOS Standard available at <http://COSMOS.ecocert.com>

Technical data sheet

Organoleptic characteristics

Odor:	Cinéolée, épicée Conforme
Aspect:	Liquide limpide Conforme
Color:	Incolore à jaune clair

Physico-chemical characteristics

Density at 20°C g /cm ³	0.917 à 0.947
Refraction index à 20°C	1.460 à 1.467
Optical rotation à 20°C	+16° à +39°
Point éclair/flash point °C	58

Main components in %

Terpinyl acétate	30 à 45
Eucalyptol (1.8 cinéol)	25 à 37

Linalyl acétate	0 à 6.0
Alpha terpinéol	0 à 5.0
Alpha pinène	0 à 4.0
Myrcène	0 à 4.0
Terpinène 4 ol	0 à 3.0
Béta pinène	0 à 2.0
Trans nérolidol	0 à 1.0



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Handling - Storage - Optimal Shelf Life date

Optimal Shelf Life Date: 48 months in original closed drum

Keep in full and closed containers, keep away from light and oxygen and at stable and moderated temperature. Handle in a well ventilated place and free from any source of ignition or heat. Handle in a sterile environment. Wear gloves and a mask to handle.

This information has been prepared from our current knowledge, it can be revised. The data provided in this document are for information only and has not to be exempted of any checks in order to validate its use for your application.

Reading of the technical data : Specification tolerances are monitoring range for our entry quality controls. It has been determined according to our experience of the products. They are neither standardized nor official. We may need to adjust them to take into account the natural variability of the products and carry out an efficient qualitative monitoring. A value offset from its tolerances does not affect the quality of the product, it only shows the reality of the presented batch. Please check if the chromatography data complies with your qualitative obligations according to your applications and your formulas.

Lexicon: N.D = Not Detectable. / Complies: Product falling within surveillance specifications / Accepted: slight deviation from our monitoring specifications, but without alert / Derogation: This value is outside the surveillance specifications but our experts accept the product as a derogation because the offset does not harm product quality / Not Compliant: product discarded and will not be marketed.

CMR Substances Certificate in %

This product contains or does not contain the following CMR substances and is in compliance with:

- Article 15 of Regulation (EC) No 1223/2009 on the use of substances classified as CMR in cosmetic products,
- Regulation (EC) No. 1272/2008 of 16 December 2008 on the classification, labeling and packaging of substances and mixtures.

Substances	N° CAS	Mini		Maxi
Acétaldéhyde	75-07-0	0	à	N.D
Bourgeonal	18127-01-0	0	à	N.D
Estragole Méthylchavicol	140-67-0	0	à	N.D
Furfural	98-01-1	0	à	N.D
Méthyl Eugénol	93-15-2	0	à	N.D
P-méthyl anisole	104-93-8	0	à	N.D
Rose oxide	16409-43-1	0	à	N.D
Safrole	94-59-7	0	à	N.D
Toluène	108-88-3	0	à	N.D

ESTRAGOLE (CAR 2, MUT 2 – CLASSEMENT LABELLING MANUAL IOFI-IFRA 2011) : Toute HE avec de l'Estragole > 1% est classée CMR niveau 2

FURFURAL (CAR 2 – CLASSEMENT LABELLING MANUAL IOFI-IFRA 2011) : Toute HE avec du Furfural > 1% est classée CMR niveau 2

METHYLEUGENOL (CAR 2, MUT 2 – CLASSEMENT LABELLING MANUAL IOFI-IFRA 2011) : Toute HE avec du Méthyleugénol > 1% est classée CMR niveau 2

SAFROLE (CAR 1B, MUT 2 – CLASSEMENT LABELLING MANUAL IOFI-IFRA 2011) : Toute HE avec du Safrole > 0,1% est classée CMR niveau 1

TOLUENE (REPR.2) ACETALDEHYDE (CAR.2) BOURGEONAL (REPR.2) P-METHYL ANISOLE (REPR.2) ROSE OXIDE (REPR.2)

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