

Annex to workbook for developing Technical Data Sheets, developing Safety Data Sheets and sending samples for natural ingredients for food

Example of a Technical Data Sheet of the company Voegele for Cardamom oil

This example includes data on cardamom oil to be used for both food and cosmetic applications. As European buyers do not always specify how they will apply your product, they appreciate a TDS that contains data for all possible uses.

If you are specifically targeting cosmetics manufacturers, see our workbook for preparing product documentation for cosmetic ingredients.

In this particular example, the company has chosen to use the title 'Product specification' instead of Technical Data Sheet.

PRODUCT SPECIFICATION

Product: Cardamom Oil
Product No.: 1020310
Trade name: Pure natural
Customs tariff number: 33012941

Characteristics

Colour: yellow to brown
Odour: characteristic
Consistence: clear, liquid

Identity

Botanical name: Elettaria cardamomum
Plant part: Fruit and pod
CAS no.: 8000-66-6
INCI name: ELETTARIA CARDAMOMUM OIL
EINECS no.: 288-922-1
Manufacturing: Steam distillation
Origin: India

Purity

Density at 20° C: 0,919 g/cm³ - 0,936 g/cm³
Refractive index at 20° C: 1,461 - 1,481
Optical rotation at 20° C: 22° - 41°
Acid number: < 5,0 mg/g
Flash point: 53,00 °C

Additives used during production

water (excipient for production) : 100 %

Storage conditions

Avoid light and temperatures above 25 °C. Storage preferably in a completely filled container.
Avoid temperatures above 40 °C during a longer period.

Best before

Best before: 24 months
We guarantee the half shelf life of the article for every delivery

Others

Contains GMO: No
(directive EG 834/2007)
Contains BSE: No
Contains TSE: No
Treated with ionising radiation: No
Not tested on animals (Joh. Vögele KG): Yes
VOC content: 15%

Raw material used is from Japan : No
Without nanotechnology : Yes
CMR Substances present, in accordance with (EC) no.1272/2008; Cat. 1A, 1B, 2 : No

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Product: Cardamom Oil
Product No.: 1020310



Cosmetics

Ingredients: List of ingredients in accordance to regulation (EC) 1223/2009

Product	INCI name	CAS no.	Percentage
Cardamom Oil	Elettaria cardamomum oil	8000-66-6	100

List of allergens

Allergens in accordance to cosmetics directive 76/768/EC as amended*

Allergen	INCI - identifier	CAS - No.	Average %- Amount
alpha-amyl cinnamic aldehyde	AMYL CINNAMAL	122-40-7	n.d.
alpha-amyl cinnamic alcohol	AMYL CINNAMYL ALCOHOL	101-85-9	n.d.
Anisyl alcohol	ANISYL ALCOHOL	105-13-5	n.d.
Tree moss extract**	EVERNIA FURFURACEA	68648-41-9	n.d.
Benzyl alcohol E1519	BENZYL ALCOHOL	100-51-6	n.d.
Benzyl benzoate	BENZYL BENZOATE	120-51-4	n.d.
Benzyl cinnamate	BENZYL CINNAMATE	103-41-3	n.d.
Benzyl salicylate	BENZYL SALICYLATE	118-58-1	n.d.
Citral	CITRAL	5392-40-5	n.d.
Citronellol	CITRONELLOL	106-22-9	n.d.
Coumarin ex essential oil	COUMARIN	91-64-5	n.d.
Oak moss extract**	EVERNIA PRUNASTRI	9000-50-4	n.d.
Eugenol	EUGENOL	97-53-0	n.d.
Farnesol	FARNESOL	4602-84-0	n.d.
Geraniol	GERANIOL	106-24-1	0,80
Methyl-2-octynoate	METHYL-2-OCTYNOATE	111-12-6	n.d.
Hexyl cinnamaldehyde	HEXYL CINNAMAL	101-86-0	n.d.
Hydroxycitronellal**	HYDROXYCITRONELLAL	107-75-5	n.d.
Isoeugenol**	ISOEUGENOL	97-54-1	n.d.
Lilial	BUTYLPHENYL-METHYLPROPIONAL	80-54-6	n.d.
Limonene	LIMONENE	5989-27-5	15,00
Linalool	LINALOOL	78-70-6	4,00
Lylal**	HYDROXYISOHEXYL-3-CYCLOHEXENE-CARBOXALDEHYD	31906-04-4	n.d.
alpha-isomethyl ionone	ALPHA-ISOMETHYL-IONONE	127-51-5	n.d.
Cinnamic aldehyde**	CINNAMAL	104-55-2	n.d.
Cinnamyl alcohol**	CINNAMYL ALCOHOL	104-54-1	n.d.

*Cross-Allergenity may be possible

** "Ökotest" relevant

The product may content natural materials. Minor changes in allergens content can be possible.

IFRA - certificate

We hereby certify that the above mentioned product is in compliance with the latest standards of IFRA, if they will be used in the following applications at the following maximum concentration levels.

Application	Maximum concentration [%-w/w]
KosVo IFRA Class 1.A*	8,00 %
KosVo IFRA Class 1.A	8,00 %
KosVo IFRA Class 2	10,00 %
KosVo IFRA Class 3.A	40,00 %
KosVo IFRA Class 3.B	40,00 %
KosVo IFRA Class 3.C	40,00 %
KosVo IFRA Class 3.D	40,00 %
KosVo IFRA Class 4.A	100,00 %
KosVo IFRA Class 4.B	100,00 %
KosVo IFRA Class 4.C	100,00 %
KosVo IFRA Class 4.D	100,00 %
KosVo IFRA Class 5	60,00 %
KosVo IFRA Class 5**	60,00 %
KosVo IFRA Class 6	100,00 %
KosVo IFRA Class 7.A	20,00 %
KosVo IFRA Class 7.B	20,00 %
KosVo IFRA Class 8.A	100,00 %
KosVo IFRA Class 8.B	100,00 %
KosVo IFRA Class 9.A	100,00 %
KosVo IFRA Class 9.B	100,00 %
KosVo IFRA Class 9.C	100,00 %
KosVo IFRA Class 10.A	100,00 %
KosVo IFRA Class 10.B	100,00 %
KosVo IFRA Class 11.A	100,00 %
KosVo IFRA Class 11.B	100,00 %

This safety assessment is based on the relevant IFRA standards and the latest IFRA Code of Practice.

For other applications or higher concentrations a new safety assessment will be required.

It is the responsibility of the customer to ensure the safety of the final product containing this fragrance.

This computerized document is not signed

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Product: Cardamom Oil
Product No.: 1020310



Information: IFRA RIFM QRA Information Booklet V6.0 22 Last updated: July 5, 2011

Table 3: IFRA Categories for Dermal Sensitization, QRA

Product Type	IFRA QRA Category	Product Type	IFRA QRA Category
Aerosols (including air fresheners sprays and air freshener pump sprays, but not including deodorant/antiperspirants, hair styling aids spray)	Category 9	Hand Sanitizer	Category 5
Air delivery systems	Category 11	Handwash Laundry Detergents of all types including concentrates	Category 10
Air Fresheners and Fragrancing of all types (concentrated aerosol air fresheners, plug-ins, solid substrate, membrane delivery, electrical, pot pourri, powders, fragrancing sachets, incense, liquid refills, air freshening crystals)	Category 11	Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish)	Category 10
Animal Sprays	Category 11	Household Cleaning Products, Other Types (fabric cleaners, soft surface cleaners, carpet cleaners,)	Category 10
Baby Lotion, Cream and Oil	Category 3	Hydroalcoholic Products Applied To Recently Shaved Skin	Category 3
Baby Powder and Talc	Category 5	Hydroalcoholic Products Applied To Unshaved Skin (includes body mists (aqueous based, alcoholic based and hydroalcoholic))	Category 4
Baby Wipes	Category 7	Infused socks	Category 11
Bar Soap (Toilet Soap)	Category 9	Insect Repellent (intended to be applied to the skin)	Category 7
Bath Gels, Foams, Mousses, Salts, Oils and Other Products Added To Bathwater	Category 9	Insecticides (e.g. mosquito coil, paper, electrical, for clothing)	Category 11
Body Creams, Oils, Lotions, Fragrancing Creams of all types (except baby creams and lotions)	Category 4	Intimate Wipes	Category 7
Body Paint (except for children)	Category 4	Joss Sticks or Incense Sticks	Category 11
Body Paint for Children	Category 3	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, lip wax, etc.)	Category 1
Body Washes of all types (including baby washes) and Shower Gels of all types	Category 9	Liquid Soap	Category 9
Candles	Category 11	Machine Dishwash Detergent and Deodorizers	Category 11
Cat litter	Category 11	Machine Only Laundry Detergent (e.g. liquid tabs)	Category 11
Conditioner (Rinse-Off)	Category 9	Machine Wash Laundry Detergents (liquids, powders, tablets, etc.) including laundry bleaches and concentrates	Category 10
Cosmetic Kits - Fragrance Compounds	Category 4	Make-up Removers of all types (not including face cleansers)	Category 8
Deodorant and Antiperspirant Products of all types (spray, stick, roll-on, under-arm and body, etc.)	Category 2	Men's Facial Creams, Balms	Category 3
Deodorizers/Maskers Not Intended For Skin Contact (e.g. fabric drying machine deodorizers, carpet powders)	Category 11	Mouthwash, including Breath Sprays	Category 6
Depilatory (not including waxes for mechanical hair removal)	Category 9	Nail Care	Category 8
Diapers	Category 10	Napkins	Category 9
Product Type	IFRA QRA Category	Product Type	IFRA QRA Category

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Dry Cleaning Kits	Category 10	Odored Distilled Water (that can be added to steam irons)	Category 11
Dry Shampoo (or Waterless Shampoo)	Category 5	Paints	Category 11
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.)	Category 3	Paper Towels	Category 9
Fabric Softeners of all types including fabric softener sheets	Category 10	Perfume Kit Fragrance Ingredients	Category 4
Face Cleansers of all types (washes, gels, scrubs, etc.)	Category 9	Powders and talcs, all types (except baby powders and talcs)	Category 8
Facial Masks	Category 5	Plastic articles (excluding toys)	Category 11
Feminine Hygiene – Liners	Category 9	Reed Diffusers	Category 11
Feminine Hygiene – Pads	Category 9	Scent delivery system (using dry air technology)	Category 11
Floor wax	Category 11	Scent Pad and Foil Pack	Category 4
Foot Care Products	Category 4	Scent Strips for Hydroalcoholic Products	Category 4
Fuels	Category 11	Shampoos for Pets	Category 10
Facial Tissue	Category 9	Scratch and Sniff	Category 11
Fragranced Bracelet	Category 2	Scent Pack	Category 11
Fragranced Lamp Ring	Category 11	Shampoos of all types (including baby shampoos)	Category 9
Hair Deodorant	Category 4	Shaving Creams of all types (stick, gels, foams, etc.)	Category 9
Hair Dyes	Category 8	Shoe Polishes	Category 11
Hair Permanent and Other Hair Chemical Treatments (e.g. relaxers)	Category 5	Tampons	Category 3
Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners, etc.)	Category 8	Toilet Blocks	Category 11
Hair Styling Aids, Hair Sprays of all types (pumps, aerosol sprays, etc.)	Category 4	Toilet Paper	Category 9
Hand Cream	Category 5	Toilet Seat Wipes	Category 10
Hand Dishwashing Detergent including concentrates	Category 10	Toothpaste	Category 6
Wheat bags	Category 9	Toys	Category 1
Wipes or Refreshing Tissues for Face, Neck, Hands, Body	Category 5	Treated Textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics, tights with moisturizers)	Category 11
Women`s Facial Creams/Facial Make-up	Category 5		
Waxes for mechanical hair removal	Category 1		

Food

Composition

(in accordance with Regulation 1334/2008/EC)

Flavouring Ingredients

100 % flavor extract

Other Ingredients

Data to the content of solvents with maximum quantities

(in accordance with Directive 95/2/EC, amended by Directive 2003/114/EC)

Microbiological values

Total plate count :	<1.000 KBE / g
Mould :	<100 KBE / g
Yeast :	<100 KBE / g
E. Coli :	0 KBE / g

Data to the content of materials with maximum quantities ("Active Principles")

(in accordance with Appendix III, Part B of Regulation 1334/2008/EC)

Data for allergenic substances

Main allergens

(in accordance with Appendix IIIa of Directive 2000/13/EC) : not contain

Other allergens

(in accordance with database ALBA, TNO Voeding) : not contain

Information about genetic engineering (GMO)

Contains GMO : No

This product does not contain raw materials from genetically modified organisms iS Directive 2001/18/EC i.d.g.F.

Information about ionising radiation

(in accordance with Directive 2000/13/EC)

Treated with ionising radiation : No

We herewith declare that the product and it's ingredients in case of the present documents are not processed with ionising radiation.

Nutritional Information

(in accordance with Directive 2000/13/EC)

Details relate to 100g of product

Energy value kJ :	3.500,0000 kJ
Energy value kcal :	835,0000 kca

These details have been calculated on the basis of the recipe according to the supplier and written details about the raw materials used and do not represent measured values from chemical analysis.

Heavy metals

Within the scope of our quality assurance system it is guaranteed that all ingredients used for this flavouring comply with the provisions regarding heavy metals laid down in Regulation (EC) No. 1881/2006 of 19 December 2006 settings maximum levels for certain contaminants in foodstuffs.

Details about product suitability for special diets

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 11.07.2016

Version number 1

Revision: 11.07.2016

Trade name: Cardamom oil

(Contd. of page 6)

Suitable for diabetics :	Yes
Suitable for vegetarian :	Yes
Suitable for Lacto-vegetarian :	Yes
Suitable for Ovo-vegetarian :	Yes
Suitable for Ovo-Lacto-vegetarian :	Yes
Suitable for vegan :	Yes

Further product information

FEMA No: 2241

Food legislation

The product is in accordance to regulation (EG) No. 1334/2008 from 16.12.2008 about flavours and flavour ingredients with aromatic characteristics for food applications.

-This computerized document is not signed-

Lauffen, 31. 03. 2014