

Firmenich

IFRA / EU Certificate

This certificate cancels and replaces all preceding certificates for this product.

GRAPEFRUIT BASE 015794 R 015794 R

I. IFRA

This certificate provides information on the compliance of the above mentioned fragrance oil according to the latest fragrance safety Standards of the International Fragrance Association (IFRA).

1. Maximum permitted concentration in the final product (% w/w)

For each class of final product, quantitative limits are indicated (if any apply). These result from the presence of substances listed in section 2.2. These limits may not be valid if our fragrance oil is used in conjunction with other materials that also contain these restricted substances. The total concentrations in the final product of all restricted substances should be taken into account when determining the maximum concentration permitted by IFRA.

<u>CLASS (See Appendix)</u>	<u>48th amendment</u>	<u>47th amendment</u>
1	Not Permitted	Not Permitted
2	3.48%	3.48%
3A	3.48%	3.48%
3B	3.48%	3.48%
3C	3.48%	3.48%
3D	73.41%	73.41%
4A	3.48%	3.48%
4B	3.48%	3.48%
4C	3.48%	3.48%
4D	3.48%	3.48%
5	3.48%	3.48%
6	Not Permitted	Not Permitted
7A	36.70%	36.70%
7B	3.48%	3.48%
8A	3.48%	3.48%
8B	No Restriction	No Restriction
9A	No Restriction	No Restriction
9B	No Restriction	No Restriction
9C	3.48%	3.48%
10A	No Restriction	No Restriction
10B	No Restriction	No Restriction
11	No Restriction	No Restriction

Please note that in some cases a fragrance oil can be banned only in classes 1 and 6 while it is limited or free of use in other classes. This is due to the presence of one or several ingredients that are not Generally Recognized As Safe (GRAS). These will not be indicated in section 2.1

2. Ingredients that are banned or limited by IFRA

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Section 2.1 lists ingredients that are banned by IFRA either because they are banned outright or because they contain constituent substances (components of natural complex materials or impurities in synthetic fragrance materials) that exceed purity limits set by IFRA.

Section 2.2 lists ingredients or substances that are restricted by IFRA. In cases where section 2.1 indicates that the fragrance oil is banned by IFRA, we are still providing information on ingredients and substances that are subject only to quantitative limits as these may determine the limits of compliance once the banned ingredient has been removed.

For further information on the IFRA standards relating to these ingredients, they can be found on www.ifraorg.org or by request from us.

2.1. Ingredients banned by IFRA

NONE

2.2. Ingredients and substances subject to limitations by IFRA

<u>Name</u>	<u>CAS #</u>	<u>QTY in the fragrance oil</u>	<u>Amendment</u>
ALPHA- HEXYLCINNAMALDEHYDE	101-86-0	0.0009 %	47
BENZALDEHYDE	100-52-7	0.0001 %	47
BENZYL ALCOHOL	100-51-6	0.0011 %	42
BERGAPTEN FROM NATURALS	484-20-8	0.0431 %	48
BETA-ASARONE	5273-86-9	0.0012 %	25
CARVONE	99-49-0	0.0004 %	43
CINNAMYL ALCOHOL	104-54-1	0.0007 %	43
CITRAL	5392-40-5	0.2724 %	47
CITRONELLOL	106-22-9	0.2719 %	42
COUMARIN	91-64-5	0.0004 %	43
CUMIN OIL	8014-13-9	0.0008 %	48
CUMINALDEHYDE	122-03-2	0.0002 %	47
CYCLAMEN ALDEHYDE	103-95-7	0.0004 %	48
ESTRAGOLE	140-67-0	0.0026 %	48
EUGENOL	97-53-0	0.0028 %	43
FARNESOL	4602-84-0	0.0066 %	40
GERANIOL	106-24-1	0.0144 %	42
GRAPEFRUIT OIL CONCENTRATED 36X	8016-20-4	0.9127 %	48
METHYL IONONE, MIXED ISOMERS	1335-46-2	0.0043 %	48
METHYL OCTINE- CARBONATE	111-80-8	0.0012 %	43
PHENYLACETALDEHYDE	122-78-1	0.0006 %	40

3. Substances, which may have some potential to form nitrosamines in the presence of nitrosating systems

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NONE

II. REGULATION (EC) No 1223/2009 ON COSMETIC PRODUCTS

The above mentioned fragrance complies to the Regulation (EC) No 1223/2009 on Cosmetic Products (as amended) for use up to the following levels of incorporation in the final product.

Application type	Maximum permitted concentration in the final product (% w/w)
Fine Fragrances	No Restriction
Toilet Waters and Colognes	No Restriction
Fragrancing Creams	No Restriction
Other products which are not rinsed off the skin	No Restriction
Products which are rinsed off the skin	No Restriction
Non skin contact products	No Restriction
Oral hygiene products	Not Permitted
Intimate hygiene products	No Restriction
Sun care products	0.09%

Please contact us for clarification or in case any restrictions are potentially problematic for compliance.

This is an electronically generated document, which is valid without signature.

APPENDIX

Class	Description
1	Lip products of all types (including lip creams containing sunscreen), toys, similar products (requiring compliance with ingestion-safety considerations)
2	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne and body spray, etc.), Fragranced bracelets
3A	Toilet waters and colognes for men (includes after shave)
3B	Fine fragrances for men
3C	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, etc.), men's facial creams & balms (including after sun and self-tanning products), baby creams, lotions, oils
3D	Tampons

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4A	Toilet waters and colognes for women, scent strips for hydro-alcoholic products, scent pads, foil packs, ingredients for perfume kits
4B	Fine fragrances for women
4C	Hair styling aids, hair sprays of all types (pumps, aerosol sprays, etc.), hair deodorants, body creams, oils, lotions (except baby creams, lotions, oils), after sun and self-tanning Products, body sprays (including body mist) with no intended or reasonably foreseeable use on the axillae, fragrance compounds for cosmetic kits, foot care products
4D	Fragrancing creams of all, solid perfumes
5	Women's facial creams (including after sun and self-tanning products), facial make-up, facial masks, hand creams, hand sanitizers, baby powders and talcs, hair permanent and other hair chemical treatments (e.g. relaxers) but not hair dyes, wipes and refreshing tissues for face, neck, hands and body, dry shampoo (or waterless shampoo)
6	Mouthwash, toothpaste and other oral-care products not intended to be ingested
7A	Intimate wipes and baby wipes, condoms
7B	Insect repellents intended to be applied to the skin
8A	Make-up removers of all types (not including face cleansers), powders and talcs (not including baby powders and talcs), non rinse-off hair styling aids (mousse, gels, leave-on conditioners, etc.) of all types except spray-on products, nail care products
8B	Hair dyes
9A	Conditioners (rinse-off), liquid soaps, bar soaps (toilet soaps), body washes of all types (including baby washes), shower gels of all types, bath gels, foams, mousses, salts, oils and other products added to bathwater, shampoos of all types (including baby shampoos), face cleansers of all types (washes, gels, scrubs, etc.), shaving creams of all types (stick, gels, foams, etc.), depilatories (including waxes for mechanical hair removal)
9B	Feminine hygiene pads and liners, toilet paper
9C	Facial tissues, napkins, paper towels, aerosols (such as air-freshener sprays but not deodorant/antiperspirants or hair styling aid spray)
10A	Hand-wash laundry detergents and fabric pre-treatment products in liquid, powder or solid bar form, fabric softeners of all types including fabric softener sheets, household cleaning products (fabric cleaners, soft surface cleaners, carpet cleaners), machine wash laundry detergents (liquids, powders, tablets) including laundry bleaches, hand dishwashing detergents, hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.), shampoos for pets, dry cleaning kits, gloves, socks
10B	Diapers, toilet seat wipes
11	Candles, joss sticks, incense, air fresheners and room fragrancing products of all types (plug-ins, solid substrate, membrane delivery, ambient, electrical, etc.), scent pack, fragranced lamp ring, liquid refills for air fresheners (cartridge systems), insecticides (mosquito coil, paper, electrical, etc.), toilet blocks, floor wax, plastic articles (excluding toys), fuels, paints, liquid refills for air fresheners (non-cartridge systems), pot pourri, fragrancing sachets, reed diffusers, scratch sniff (sampling technology), shoe polishes, carpet powders, treated textiles (e.g. starch sprays, fabric deodorizers, pre-perfumed fabrics), machine dish-wash detergents, machine dish-wash deodorizers, deodorizers/maskers not Intended for skin contact (e.g. fabric drying machine deodorizers), perfumed distilled water for addition to steam irons, animal sprays, cat litter