

## IFRA Compliance Certificate for Ingredients

We certify that the ingredient below :

### **TUBEROSE FLORALINE 99250057**

is compliant with the latest Amendment of the International Fragrance Association (IFRA), **IFRA 51st, published in June 30th 2023**, provided it is used at the maximum concentration level indicated.

IFRA Compliance above is assessed according to IFRA Standards based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM).

Please be aware information provided by this document take into account only raw materials or their sub-ingredients explicitly regulated by IFRA.

IFRA Categories Product Type	Maximum level of use (%) (w/w)
1	on request
2	0.8049
3	0.6274
4	9.0408
5A	3.9211
5B	0.7528
5C	1.0038
5D	0.2509
6	on request
7A	2.8858
7B	2.8858
8	0.2509
9	9.0408
10A	9.0408
10B	9.0408
11A	0.2509
11B	0.2509
12	100.0000

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The presence and concentration of ingredients restricted by the current IFRA Standards are as follows :

Ingredients	CAS Number	% in the Product
Acetic, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatiene	144020-22-4 / 28371-99-5	-
5-Acetyl-1,1,2,3,3,6-hexamethyl indan (AHMI)	15323-35-0	-
Acetylated Vetiver oil	84082-84-8 / 68917-34-0 73246-97-6 / 62563-80-0	-
Allyl phenoxyacetate	7493-74-5	-
$\alpha$ -Amyl cinnamic alcohol	101-85-9	0.0032
$\alpha$ -Amyl cinnamic aldehyde	122-40-7	1.0806
Angelica root oil	8015-64-3	-
Anisyl alcohol	105-13-5 / 1331-81-3	0.0001
cis-and trans-Asarone	2883-98-9 / 5273-86-9	-
Benzaldehyde	100-52-7	0.0194
Benzo[a]pyrene (ppm)	50-32-8	-
Benzanthracene (ppm)	56-55-3	-
Benzyl alcohol	100-51-6	0.2734
Benzyl benzoate	120-51-4	0.6169
Benzyl cinnamate	103-41-3	0.0024
Benzyl cyanide natural	140-29-4	0.0066
Benzyl salicylate	118-58-1	48.4553
Bergamot oil expressed	8007-75-8 / 89957-91-5	-
$\alpha$ -Bisabolol	515-69-5 / 23089-26-1 23178-88-3 / 78148-59-1 76738-75-5 / 72691-24-8	0.0002
Bitter orange peel oil expressed	68916-04-1 / 72968-50-4	-
$\alpha$ -Butylcinnamaldehyde	7492-44-6	0.0046
3-(m-tert-Butylphenyl)-2-methylpropionaldehyde (m-BMHCA)	62518-65-4	-
p-tert-Butyldihydrocinnamaldehyde	18127-01-0	-
p-tert-Butyl- $\alpha$ -methylhydrocinnamic aldehyde (p-BMHCA)	80-54-6	-
Carvone	99-49-0 / 2244-16-8 6485-40-1	0.0004
Cedrene	11028-42-5 / 469-61-4 546-28-1	-
Cinnamic alcohol	104-54-1	0.0095
Cinnamic aldehyde	104-55-2	0.0006
Cinnamic aldehyde dimethyl acetal	4364-06-1	-
Cinnamyl nitrile	1885-38-7 / 4360-47-8	-
Citral	5392-40-5 / 141-27-5 106-26-3	0.0077
Citronellal	106-23-0 / 5949-05-3	0.0001
Citronellol	106-22-9 / 1117-61-9 26489-01-0 / 6812-78-8 141-25-3 / 68916-43-8 7540-51-4	0.0111
Citrus oils and other furocoumarins containing essential oils (5 MOP)	484-20-8	-
Coumarin	91-64-5	0.0137
Cumin oil	8014-13-9	-

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Cuminaldehyde	122-03-2	-
Cyclamen aldehyde	103-95-7	0.0013
Cyclohexanemethanol, 2,4-dimethyl-	68480-15-9	-
Cyclopentadecanolide	106-02-5	-
Dibenzyl ether	103-50-4	0.0318
Dihydrocoumarin	119-84-6	0.0001
6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone (DPMI)	33704-61-9	-
Dimethylcyclohex-3-ene-1-carbaldehyde (mixed isomers)	68737-61-1 (mixed isomers) 68039-49-6 / 68039-48-5 27939-60-2 / 67801-65-4 36635-35-5 / 68084-52-6 35145-02-9	-
1-(5,5-Dimethyl-1-cyclohexen-1-yl)pent-4-en-1-one	56973-85-4	-
4,8-Dimethyl-4,9-decadienal	71077-31-1	-
5,9-Dimethyl-4,8-decadienal	762-26-5	-
3,7-Dimethyl-2,6-nonadien-1-al	41448-29-7	-
3,7-Dimethyl-3,6-octadienal	55722-59-3 / 72203-98-6 72203-97-5	0.0003
2,2-Dimethyl-3-(3-tolyl)propan-1-ol	103694-68-4	-
3,3-Dimethyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)-4-penten-2-ol	107898-54-4	-
Estragole	140-67-0	0.0009
2-Ethoxy-4-methylphenol	2563-07-7	-
p-Ethylbenzaldehyde	4748-78-1	-
Eugenol	97-53-0	0.0604
Farnesal	19317-11-4	0.0006
Farnesol	4602-84-0	0.0314
Furfural	98-01-1	-
Geraniol	106-24-1	0.0660
Grapefruit oil expressed	8016-20-4	-
2-Heptylidene cyclopentan-1-one	39189-74-7	-
trans-2-Hexenal	6728-26-3	0.0001
$\alpha$ -Hexyl cinnamic aldehyde	101-86-0	10.7602
$\alpha$ -Hexylidene cyclopentanone	17373-89-6	-
Hexyl salicylate	6259-76-3	0.0483
Hydroxycitronellal	107-75-5	2.6892
4-Hydroxy-2,5-dimethyl-3(2H)-furanone	3658-77-3	-
3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde (HMPCC)	31906-04-4 / 51414-25-6	-
4-(4-Hydroxyphenyl)butan-2-one	5471-51-2	-
p-Isobutyl- $\alpha$ -methyl hydrocinnamaldehyde	6658-48-6	-
Isobutyl N-methylanthranilate	65505-24-0	-
Isocyclocitral	1335-66-6 / 1423-46-7 67634-07-5 / 1754-00-3	-
Isocyclogeraniol	68527-77-5	-
Isoeugenol	97-54-1	0.0246
Isophorone natural	78-59-1	-
p-Isopropylbenzyl alcohol	536-60-7	-
cis,trans-4-(Isopropyl)cyclohexanemethanol	5502-75-0 / 13828-37-0 13674-19-6	-
4-(Isopropyl)- $\beta$ -methylcyclohexanethanol	67634-03-1	-

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Jasmine absolute (grandiflorum)	8022-96-6 / 8024-43-9 90045-94-6 / 84776-64-7	1.6371
Jasmine absolute (sambac)	91770-14-8 / 1034798-23-6	-
Lemon oil cold pressed	8008-56-8 / 84929-31-7	0.0002
Lime oil expressed	8008-26-2	-
Longifolene	475-20-7	-
Melissa oil (genuine Melissa officinalis L.)	8014-71-9 / 84082-61-1	-
p-Mentha-1,8-dien-7-al (Perilla aldehyde)	2111-75-3	-
Menthadiene-7-methyl formate	68683-20-5	-
p-Methoxybenzaldehyde	123-11-5	-
o-Methoxycinnamaldehyde	1504-74-1	-
7-Methoxycoumarin natural	531-59-9	-
Methoxy dicyclopentadiene carboxaldehyde	86803-90-9	-
4-Methoxy- $\alpha$ -methylbenzenepropanal	5462-06-6	-
2-Methoxy-4-methylphenol	93-51-6	-
2-Methoxy-4-propylphenol	2785-87-7	-
$\alpha$ -Methyl-1,3-benzodioxole-5-propionaldehyde (MMDHCA)	1205-17-0	-
$\alpha$ -Methyl cinnamic aldehyde	101-39-3	-
Methyl eugenol	93-15-2	0.0006
Methyl N-formylanthranilate*	41270-80-8	0.0020
6-Methyl-3,5-heptadien-2-one	1604-28-0	-
Methyl heptene carbonate	111-12-6	-
p-Methyltetrahydroquinoline	91-61-2	-
Methyl ionone, mixed isomers	1335-46-2 / 127-42-4 127-43-5 / 127-51-5 7779-30-8 / 79-89-0 1335-94-0	0.0430
Methyl N-methylantranilate*	85-91-6	0.0050
Methyl $\beta$ -naphthyl ketone	93-08-3	-
Methyl octene carbonate	111-80-8	-
3-Methyl-2-(pentyloxy)cyclopent-2-en-1-one	68922-13-4	-
2-Nonyl-1-al dimethyl acetal	13257-44-8	-
1,2,3,4-Tetrahydro-4-methylquinoline	19343-78-3	-
o,m,p-Tolualdehydes and their mixtures	529-20-4 / 620-23-5 104-87-0 / 1334-78-7	-
Oakmoss extracts	90028-68-5 / 68917-10-2 9000-50-4	-
1-Octen-3-yl acetate	2442-10-6	-
Opoponax	8021-36-1 / 9000-78-6 93384-32-8	-
OTNE (1-(1,2,3,4,5,6,7,8 Octahydro-2,3,8-tetramethyl-2-naphthalenyl) ethanone)	54464-57-2 / 54464-59-4 68155-66-8 / 68155-67-9	-
1-(2,4,4,5,5-Pentamethyl-1-cyclopenten-1-yl)ethan-1-one	13144-88-2	-
Peru balsam extracts and distillates	8007-00-9	0.0036
Phenylacetaldehyde	122-78-1	0.0006
3-Phenylbutanal	16251-77-7	-
4-Phenyl-3-buten-2-ol	17488-65-2	-
2-Phenylpropionaldehyde	93-53-8 / 1340-11-0 34713-70-7	-
Propenylguaethol	94-86-0 / 63477-41-8	-
3-Propylidene-phthalide	17369-59-4	-

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Rose ketones	23696-85-7 / 23726-93-4 43052-87-5 / 24720-09-0 23726-94-5 / 23726-92-3 23726-91-2 / 57378-68-4 71048-82-3 / 39872-57-6 70266-48-7 / 33673-71-1 35087-49-1 / 35044-68-9	0.0004
Rue oil	8014-29-7	-
Safrole, Isosafrole and Dihydrosafrole	94-59-7 / 120-58-1 94-58-6	-
Styrax	8046-19-3 / 8024-01-9 94891-27-7 / 94891-28-8 101227-15-0	-
Tagetes oil and absolute	91722-29-1 / 8016-84-0 91770-75-1	-
Tea leaf absolute	84650-60-2	-
$\alpha$ ,2,2,3-Tetramethylcyclopent-3-ene-1-butylaldehyde	65114-03-6	-
Thujone	546-80-5 / 471-15-8 76231-76-0 / 1125-12-8	-
p-Tolyl alcohol	589-18-4	-
2,6,6-Trimethylcyclohex-1,3-dienyl methanal	116-26-7	-
5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol	65113-99-7	-
2,6,10-Trimethylundeca-5,9-dien-1-ol	24048-14-4 / 185019-19-6 58001-88-0 / 58001-87-9 1373932-23-0 / 1018832-07-9	-
Treemoss (Evernia furfuracea) extracts	90028-67-4 / 68648-41-9 68917-40-8	-
Verbena absolute (Lippia citriodora Kunth.)	8024-12-2 / 85116-63-8	-
Ylang ylang extracts	8006-81-3 68606-83-7 / 83863-30-3	0.7657
Mintlactone added	13341-72-5	-
Mintlactone from natural extracts / synthetic impurities	13341-72-5	-
Ethyl isopropyl bicycloheptene-2-carboxylate	116044-44-1 116126-82-0	-
Tetramethyl bicyclo-2-heptene-2-propionaldehyde	33885-52-8	-
1-(2,2,6-Trimethylcyclohexyl)-3-hexanol	70788-30-6	-
1-(2-tert.-Butyl cyclohexyloxy)-2-butanol	139504-68-0	-
3,6,7-Trimethyl-2,6-octadienal	1891-67-4	-
2,4,4,7-Tetramethyl-6-octen-3-one	74338-72-0	-
2-Cyclohexylidene-2-ortho-tolylacetonitrile	916887-53-1	-
Ethyl and Methyl furaneol	27538-09-6 27538-10-9	-
2-Hexylidenecyclohexan-1-one	16429-07-5	-
2-Methyl-2-pentenal	623-36-9	-
2-Octen-4-one	4643-27-0	-
Methyl lavender ketone	67801-33-6 67633-95-8	-
3,4,5,6,6-Pentamethylhept-3-en-2-one	81786-75-6, 81786-73-4 86115-11-9, 81786-74-5	-
3-Methyl-5-phenylpent-2-enenitrile	93893-89-1, 53243-59-7 53243-60-0	-

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3-Octen-2-one	1669-44-9	-
Dimethyl octenone	2550-11-0	-
Isopentylcyclohexanone	16587-71-6	-
Woody furan	338735-71-0 351343-77-6	-
Allyl 3-cyclohexylpropionate	2705-87-5	-
alpha-Amylcinnamaldehyde diethyl acetal	60763-41-9	-
alpha-Amylcinnamaldehyde dimethyl acetal	91-87-2	-
alpha-Cyclohexylidene benzeneacetonitrile	10461-98-0	-
5-Hexen-1-yl 2-methylbutanoate	155514-23-1	-
Carvyl acetate	97-42-7, 1205-42-1 1134-95-8	-
cis-3-Heptenyl acetate	1576-78-9	-
cis-3-Hexenyl isovalerate	35154-45-1	-
cis-3-Hexenyl methyl carbonate	67633-96-9	-
cis-3-Nonenyl acetate	13049-88-2	-
Citronellyl acetate	150-84-5, 67601-05-2 141-11-7	0.0001
Cyclohexadecanone	2550-52-9	-
Cyclohexadecenone	88642-03-9, 5365-06-0 2550-59-6, 3100-36-5 5120-20-7, 854373-71-0 854373-70-9	-
1-(2,2,6-Trimethylcyclohexyl)-3-pentanol	60241-52-3 60241-53-4	-
(Ethoxymethoxy)-cyclododecane	58567-11-6	-
6-Hydroxy-2,6-dimethylheptanal	62439-42-3	-
Isobutyl cinnamate	122-67-8	-
Isoeugenyl acetate	93-29-8	0.0004
4-Methyl-1-propan-2-ylbicyclo[2.2.2]oct-2-ene-8-carboxylate	68966-86-9	-
Methyl vanillyl ether	5533-03-9	-
Myraldyl acetate	72403-67-9	-
Octahydro-dimethylnaphthalene-2-carbaldehyde (mixed isomers)	68738-94-3, 68738-96-5 68991-96-8, 68991-97-9	-
p-Cresol	1319-77-3 106-44-5	0.0552
Phenoxyacetaldehyde	2120-70-9	-
Carvomenthone	499-70-7 59471-80-6	-
4-tert-Butylcyclohexanone	98-53-3	-
7-Methoxy-3,7-dimethyloct-1-ene	53767-86-5	-
Methoxycyclododecane	2986-54-1	-
2,5-Octadien-4-one 5,6,7 trimethyl	358331-95-0, 357650-26-1 847144-75-6	-

Date : 5/1/2024

\* This material has been identified for having the potential of forming nitrosamines in nitrosating systems.

Downstream users therefore have to be notified of the presence of the material and its potential, to be able to consider adequate protective measures.

We draw your attention on the fact that this certificate is a standard template of information exchange between supplier and customer. It concerns the compliance to IFRA standards at the latest amendment of the fragrance/flavour concentrate only and not the safety assessment of the finished product.

In no case this document can be seen as a replacement of your obligations and responsibilities as the party manufacturing, launching or distributing the product for sale in the market. We disclaim all responsibility in case of possible interactions between the fragrance compound and the other ingredients used in the finished product, which cannot be taken into account by this evaluation.

The information contained herein is, to the best of our knowledge, true and accurate at the time it is given.

This document is not signed, it is generated electronically by our computer system

## Annex : Definition of the IFRA categories

IFRA Category - Product Type	IFRA Category
Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.) Children's toys	1
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, etc.) Body sprays (including body mist)	2
Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer Facial make up and foundation Make-up remover for face and eyes Nose pore strips, Wipes or refreshing tissues for face, neck, hands, body Body and face paint (for children and adults) Facial masks for face, lips and around the eyes	3
Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (eau de toilette, parfum, cologne, solid perfume, fragancing cream, aftershaves of all types, etc.) Fragranced bracelets Ingredients of perfume kits and fragrance mixtures for cosmetics kits Scent pads, foil packs, Scent strips for hydroalcoholic products	4
Body creams, oils, lotions of all types Foot care products (creams & powders) Insect repellent (intended to be applied to the skin) All powders and talcs (excluding baby powders and talc)	5A
Facial toner Face moisturizers and creams ((including care products for beard and mustache)	5B
Hand cream Nail care products including cuticle creams, nail lacquer remover, etc ...), Hand sanitizers	5C
Baby cream/lotion, baby oil, baby powders and talc	5D
Toothpaste Mouthwash, including breath sprays Toothpowder, strips, mouthwash tablets	6
Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes	7A

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<p>Hair sprays of all types (pumps, aerosol sprays, etc.)  Hair styling aids (mousse, gels, leave in conditioners)  Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes  Shampoo - Dry (waterless shampoo)  Hair deodorizer, Hair perfume</p>	7B
<p>Intimate wipes, Intimate deodorant spray, Tampons  Baby wipes, Toilet paper (wet)</p>	8
<p>Bar soap, Hand wash  Shampoo of all types  Cleanser for face (rinse-off)  Conditioner (rinse-off)  Liquid soap  Body washes and shower gels of all types, Baby wash, bath, shampoo  Bath gels, foams, mousses, salts, oils and other products added to bathwater  Foot care products (feet are placed in a bath for soaking)  Shaving creams of all types (stick, gels, foams, etc.)  All depilatories (including facial) and waxes for mechanical hair removal, Shampoos for pets</p>	9
<p>Hand wash laundry detergent (including concentrates)  Laundry pre-treatment of all types (e.g. paste, sprays, sticks)  Hand dishwashing detergent (including concentrates)  Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.)  Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates  Dry Cleaning Kits , Toilet Seat Wipes  Fabric softeners of all types including fabric softener sheets  Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics), Floor wax  Fragranced oil for lamp rings, reed diffusers, potpourri, liquid refills for air freshners (non-cartridge systems), etc  Ironing water (Odorized distilled water)</p>	10A
<p>Animal sprays - sprays applied to animals of all types  Air freshener sprays, manual, including aerosol and pump  Aerosol/spray insecticides</p>	10B
<p>Feminine hygiene conventional pads, interlabial pads  Diapers (baby and adult), Adult incontinence pant, pad, Toilet paper (dry)</p>	11A
<p>Tights with Moisturizers, Scented socks, gloves  Facial tissues (dry tissues)  Napkins, Paper towels, Wheat bags  Facial masks (paper/protective) e.g. surgical masks not used as medical device  Fertilizers, solid (pellet or powder), Pillow spray</p>	11B
<p>Candles of all types (including encased)  Laundry detergents for machine wash with minimal skin contact (e.g. liquid tabs, pods)  Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills, air freshening crystals)  Air delivery systems, Cat litter, Cell phone cases  Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders), Fuels  Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays  Joss sticks or incense sticks  Dishwash detergent and deodorizers - for machine wash  Olfactive board games, Paints, Plastic articles (excluding toys) Scratch and sniff, Scent pack  Scent delivery system (using dry air technology), Shoe polishes, Rim blocks (toilet), Toilet gel, Scent beads</p>	12