

CERTIFICATE OF CONFORMITY WITH IFRA STANDARDS

This Certificate assesses the conformity to IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoint(s) described in each Standard.

NAT0498

We certify that the above reference is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 51 Amendment to the IFRA Standards (June 30, 2023), provided it is used in the following category(ies) at a maximum concentration level of:

IFRA Category	Level of use (%)*
Category 1	8.51%**
Category 2	2.6%
Category 3	6.18%
Category 4	8.51%
Category 5A	8.51%
Category 5B	8.51%
Category 5C	8.51%
Category 5D	4.12%
Category 6	8.51%**
Category 7A	25.52%
Category 7B	8.51%
Category 8	4.12%
Category 9	94.16%
Category 10A	37.67%
Category 10B	8.51%
Category 11A	4.12%
Category 11B	4.12%
Category 12	No restriction

*Actual use level or maximum use level

**Consider the % of use in Category 1 and Category 6 only if the mixture turns out to be food grade

Information about presence and concentration of ingredients subject to IFRA Standards in the is as follows:

Materials under the scope of IFRA Standards:	CAS number(s):	Recommendation from IFRA Standard:
(L)-ALPHA-BISABOLOL	515-69-5 23089-26-1	<p>RESTRICTION - IFRA 51 - Standard: α-Bisabolol (CAS Number: 515-69-5, 23089-26-1, 23178-88-3, 78148-59-1, 76738-75-5, 72691-24-8) Amendment: 49 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION AND SYSTEMIC TOXICITY Notes on prohibited fragrance ingredients: None Notes on specified ingredients: None Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>
ABIES SIBIRICA OIL	91697-89-1	<p>SPECIFICATION - IFRA 51 - Standard: Pinacea derivatives (CAS Number: Not applicable.) Amendment: 28 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: Essential oils (e.g, Turpentine oil) and isolates (e.g, delta-3-Carene) derived from the Pinacea family, including Pinus and Abies genera, should only be used when the level of peroxides is kept to the lowest practicable level, for instance by adding antioxidants at the time of production, Such products should have a peroxide value of less than 10 millimoles peroxide per liter, determined according to the IFRA analytical methodology for the determination of the peroxide value, which can be downloaded from the IFRA website (www.ifrafragrance.org), Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>
ALLYLANISOLE	140-67-0	<p>RESTRICTION - IFRA 51 - Standard: Estragole (CAS Number: 140-67-0, 1407-27-8, 77525-18-9) Amendment: 51 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION AND SYSTEMIC TOXICITY Notes on prohibited fragrance ingredients: None Notes on specified ingredients: None Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>

Materials under the scope of IFRA Standards:	CAS number(s):	Recommendation from IFRA Standard:
ALPHA-CEDRENE	469-61-4	<p>RESTRICTION - IFRA 51 - Standard: Cedrene (CAS Number: 11028-42-5, 469-61-4, 546-28-1) Amendment: 49 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: None Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>
ALPHA-TERPINENE	99-86-5	<p>SPECIFICATION - IFRA 51 - Standard: Pinacea derivatives (CAS Number: Not applicable.) Amendment: 28 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: Essential oils (e.g, Turpentine oil) and isolates (e.g, delta-3-Carene) derived from the Pinacea family, including Pinus and Abies genera, should only be used when the level of peroxides is kept to the lowest practicable level, for instance by adding antioxidants at the time of production, Such products should have a peroxide value of less than 10 millimoles peroxide per liter, determined according to the IFRA analytical methodology for the determination of the peroxide value, which can be downloaded from the IFRA website (www.ifrafragrance.org), Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>
BETA-CEDRENE	546-28-1	<p>RESTRICTION - IFRA 51 - Standard: Cedrene (CAS Number: 11028-42-5, 469-61-4, 546-28-1) Amendment: 49 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: None Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>

Materials under the scope of IFRA Standards:	CAS number(s):	Recommendation from IFRA Standard:
CINNAMALDEHYDE	104-55-2	<p>RESTRICTION - IFRA 51 - Standard: Cinnamic aldehyde (CAS Number: 104-55-2) Amendment: 49 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION AND SYSTEMIC TOXICITY Notes on prohibited fragrance ingredients: None Notes on specified ingredients: None Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>
CITRAL	5392-40-5	<p>RESTRICTION - IFRA 51 - Standard: Citral (CAS Number: 5392-40-5, 141-27-5, 106-26-3) Amendment: 49 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION AND SYSTEMIC TOXICITY Notes on prohibited fragrance ingredients: None Notes on specified ingredients: None Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>
CITRUS × BERGAMIA PEEL OIL EXPRESSED	89957-91-5 8007-75-8	<p>RESTRICTION - IFRA 51 - Standard: Bergamot oil expressed (CAS Number: 8007-75-8, 89957-91-5) Amendment: 49 Intrinsic property driving the risk management measure: PHOTOTOXICITY Notes on prohibited fragrance ingredients: None Notes on specified ingredients: None Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>
COUMARIN	91-64-5	<p>RESTRICTION - IFRA 51 - Standard: Coumarin (CAS Number: 91-64-5) Amendment: 49 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION AND SYSTEMIC TOXICITY Notes on prohibited fragrance ingredients: None Notes on specified ingredients: None Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>

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D-LIMONENE	5989-27-5	<p>SPECIFICATION - IFRA 51 - Standard: Limonene (CAS Number: 138-86-3, 7705-14-8, 5989-27-5, 5989-54-8) Amendment: 29 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: Oxidation products of Limonene, especially hydroperoxides, have been demonstrated to be potent sensitizers, d-, l- and dl-Limonene and natural products containing substantial amounts of it, should only be used when the level of (hydro)peroxides is kept to the lowest practical level, for instance by adding antioxidants at the time of production, The addition of 0,1% BHT or α-Tocopherol for example has shown great efficiency, Such products should have a peroxide value of less than 20 millimoles per liter, determined according to the IFRA analytical method for the determination of the peroxide value, which can be downloaded from the IFRA website (www.ifrafragrance.org), Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>
DELTA-3-CARENE	13466-78-9	<p>SPECIFICATION - IFRA 51 - Standard: Pinacea derivatives (CAS Number: Not applicable.) Amendment: 28 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: Essential oils (e.g, Turpentine oil) and isolates (e.g, delta-3-Carene) derived from the Pinacea family, including Pinus and Abies genera, should only be used when the level of peroxides is kept to the lowest practicable level, for instance by adding antioxidants at the time of production, Such products should have a peroxide value of less than 10 millimoles peroxide per liter, determined according to the IFRA analytical methodology for the determination of the peroxide value, which can be downloaded from the IFRA website (www.ifrafragrance.org), Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>

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GAMMA-TERPINENE	99-85-4	<p>SPECIFICATION - IFRA 51 - Standard: Pinacea derivatives (CAS Number: Not applicable.) Amendment: 28 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: Essential oils (e.g, Turpentine oil) and isolates (e.g, delta-3-Carene) derived from the Pinacea family, including Pinus and Abies genera, should only be used when the level of peroxides is kept to the lowest practicable level, for instance by adding antioxidants at the time of production, Such products should have a peroxide value of less than 10 millimoles peroxide per liter, determined according to the IFRA analytical methodology for the determination of the peroxide value, which can be downloaded from the IFRA website (www.ifrafragrance.org), Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>
LINALOOL	78-70-6	<p>SPECIFICATION - IFRA 51 - Standard: Linalool (CAS Number: 78-70-6, 126-90-9, 126-91-0) Amendment: 38 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: Oxidation products of Linalool, especially hydroperoxides, have been demonstrated to be potent sensitizers, d-, l- and dl-Linalool and natural products containing substantial amounts of it, should only be used when the level of (hydro)peroxides is kept to the lowest practical level, for instance by adding antioxidants at the time of production, The addition of 0,1% BHT or α-Tocopherol for example has shown great efficiency, Such products should have a peroxide value of less than 20 millimoles per liter, determined according to the IFRA analytical method for the determination of the peroxide value, which can be downloaded from the IFRA website (www.ifrafragrance.org), Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>

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LONGIFOLENE	475-20-7	RESTRICTION - IFRA 51 - Standard: Longifolene (CAS Number: 475-20-7, 16846-09-6, 19067-29-9) Amendment: 49 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: None Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,
METHYL EUGENOL	93-15-2	RESTRICTION - IFRA 51 - Standard: Methyl eugenol (CAS Number: 93-15-2) Amendment: 51 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION AND SYSTEMIC TOXICITY Notes on prohibited fragrance ingredients: None Notes on specified ingredients: None Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,
O-METHOXYCINNAMALDEHYDE	1504-74-1	RESTRICTION - IFRA 51 - Standard: o-Methoxycinnamaldehyde (CAS Number: 1504-74-1) Amendment: 49 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: None Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,

Materials under the scope of IFRA Standards:	CAS number(s):	Recommendation from IFRA Standard:
PINUS SYLVESTRIS LEAF OIL	8023-99-2 84012-35-1	<p>SPECIFICATION - IFRA 51 - Standard: Pinacea derivatives (CAS Number: Not applicable.) Amendment: 28 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: Essential oils (e.g, Turpentine oil) and isolates (e.g, delta-3-Carene) derived from the Pinacea family, including Pinus and Abies genera, should only be used when the level of peroxides is kept to the lowest practicable level, for instance by adding antioxidants at the time of production, Such products should have a peroxide value of less than 10 millimoles peroxide per liter, determined according to the IFRA analytical methodology for the determination of the peroxide value, which can be downloaded from the IFRA website (www.ifrafragrance.org), Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>
TERPINOLENE	586-62-9	<p>SPECIFICATION - IFRA 51 - Standard: Pinacea derivatives (CAS Number: Not applicable.) Amendment: 28 Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on prohibited fragrance ingredients: None Notes on specified ingredients: Essential oils (e.g, Turpentine oil) and isolates (e.g, delta-3-Carene) derived from the Pinacea family, including Pinus and Abies genera, should only be used when the level of peroxides is kept to the lowest practicable level, for instance by adding antioxidants at the time of production, Such products should have a peroxide value of less than 10 millimoles peroxide per liter, determined according to the IFRA analytical methodology for the determination of the peroxide value, which can be downloaded from the IFRA website (www.ifrafragrance.org), Flavour use considerations: Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org), For more details see chapter 1 of the Guidance for the use of IFRA Standards,</p>

IFRA Cat.	Finished Product Type (QRA)
1	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.), Children's toys.
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, etc.), Body sprays (including body mist).
3	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 and around the eyes.
4	Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, aftershaves of all types, etc.), Fragranced bracelets, Ingredients of perfume kits and fragrance mixtures for cosmetic kits, Scent pads, foil packs, Scent strips for hydroalcoholic products.
5.A	Body creams, oils, lotions of all types, Foot care products (creams and powders), Insect repellent (intended to be applied to the skin), All powders and talc (excluding baby powders and talc).
5.B	Facial toner, Facial moisturizers and creams (including care products for beard and mustache).
5.C	Hand cream, Nail care products including cuticle creams, nail lacquer remover, etc., Hand sanitizers.
5.D	Baby cream/lotion, baby oil, baby powders and talc.
6	Toothpaste, Mouthwash, including breath sprays, Toothpowder, strips, mouthwash tablets.
7.A	Hair permanent or other hair chemical treatments (rinse-off) (e.g., relaxers), including rinse-off hair dyes.
7.B	Hair sprays of all types (pumps, aerosol sprays, etc.), Hair styling aids non sprays (mousse, gels, leave-on conditioners), Hair permanent or other hair chemical treatments (leave-on) (e.g., relaxers), including leave-on hair dyes, Shampoo - Dry (waterless shampoo), Hair deodorizer.
8	Intimate wipes, Intimate deodorant spray, Tampons, Baby wipes, Toilet paper (wet).
9	Bar soap, 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 (such as bath bombs), 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.
10.A	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, 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 ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc., Ironing water (Odorized distilled water), Dry cleaning kits (involving manual application on the textile).
10.B	Animal sprays – sprays applied to animals of all types, Air freshener sprays, manual, including aerosol and pump, Aerosol/spray insecticides.
11.A	Feminine hygiene conventional pads, liners, interlabial pads, Baby diapers, incontinence pant, pad, Toilet paper (dry).
11.B	Tights with moisturizers, Scented socks, gloves, Facial tissues (dry tissues), Napkins, Pillow spray, Paper towels, Wheat bags, Facial masks (paper/protective) e.g., surgical masks not used as medical device, Fertilizers, solid (pellet or powder).

IFRA Cat.	Finished Product Type (QRA)
12	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 (cartridge), air freshening crystals, solid non aerosol car diffuser), Air delivery systems, Cat litter, Cell phone cases, Deodorizers/maskers not intended for skin contact (e.g., fabric drying machine deodorizers, carpet powders), Dry cleaning kits (placed in the dryer), Dryer sheets and fabric softener sheets, 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.

The data is provided based on the current state of our product knowledge. It is the customer's responsibility to ensure the conditions and possibilities of use of this product, about applicable laws and regulations.

Document not signed generated electronically

July 26, 2024