

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.

PFG0413

We certify that the above reference is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 50 Amendment to the IFRA Standards (June 10, 2021), provided it is used in the following category(ies) at a maximum concentration level of:

IFRA Category	Level of use (%)*
Category 1	15.41%**
Category 2	4.6%
Category 3	92.05%
Category 4	86.04%
Category 5A	22.01%
Category 5B	22.01%
Category 5C	22.01%
Category 5D	22.01%
Category 6	50.03%**
Category 7A	No restriction
Category 7B	No restriction
Category 8	9%
Category 9	No restriction
Category 10A	No restriction
Category 10B	No restriction
Category 11A	45%
Category 11B	45%
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:
4-(P-HYDROXYPHENYL)BUTAN-2-ONE	5471-51-2	<p>RESTRICTED QRA - IFRA 50 STANDARD: 4-(4-HYDROXYPHENYL)BUTAN-2-ONE AMENDMENT: 49 INGREDIENT NAME: 4-(P-HYDROXYPHENYL)BUTAN-2-ONE (CAS: 5471-51-2 - EC: 226-806-4) Intrinsic property driving the risk management measure: DEPIGMENTATION 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> <p> Contributions from other sources: 4-(4-Hydroxyphenyl)butan-2-one has been found in natural extracts but only at trace levels.</p>
D-LIMONENE	5989-27-5	<p>SPECIFICATION - IFRA 50 Standard: LIMONENE Amendment: 29 Ingredient name: D-LIMONENE (CAS: 5989-27-5 - EC: 227-813-5) Intrinsic property driving the risk management measure: DERMAL SENSITIZATION 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>

Materials under the scope of IFRA Standards:	CAS number(s):	Recommendation from IFRA Standard:
LINALOOL	78-70-6	<p>SPECIFICATION - IFRA 50 STANDARD: LINALOOL AMENDMENT: 38 INGREDIENT NAME: LINALOOL (CAS: 78-70-6 - EC: 201-134-4) Intrinsic property driving the risk management measure: DERMAL SENSITIZATION Notes on specified ingredients:</p> <p>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:</p> <p>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> <p>Contributions from other sources: Natural products known to be rich in Linalool include bois de rose, coriander or ho wood oil.</p>
TRANS-1-(2,6,6-TRIMETHYL-2-CYCLOHEXEN-1-YL)BUT-2-EN-1-ONE	24720-09-0	<p>RESTRICTED QRA - IFRA 50 Standard: ROSE KETONES Amendment: 49 Ingredient name: TRANS-1-(2-6-6-TRIMETHYL-2-CYCLOHEXEN-1-YL)BUT-2-EN-1-ONE (CAS: 24720-09-0 - EC: 246-430-4) Intrinsic property driving the risk management measure: DERMAL SENSITIZATION </p> <p>Notes on restricted ingredient: The above limits apply to Rose Ketones used individually or in combination. The sum of concentrations of Rose ketones isomers should not exceed the maximum concentration levels established by this Standard. 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 and body spray, etc.)
3	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care Facial make up and foundation Make-up remover for face, eyes and lips Nose pore strips Wipes or refreshing tissues for face, neck, hands, body. Body paint (for children and adults) Facial masks for face, lips and around the eyes.
4	Fine fragrance of all types (eau de toilette, parfum, cologne, solid perfume, fragranting cream, etc.) Fragranced bracelets Perfume kit fragrance ingredients/mixtures Scent pads, foil packs Scent strips for hydroalcoholic products
5.A	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 talcs)
5.B	Face toner Moisturizer for face, eyes and lips
5.C	Hand cream Nail care products including cuticle creams, etc. Hand sanitizers
5.D	Baby cream/lotion, baby oil, baby powders and talcs
6	Toothpaste Mouthwash, including breath sprays
7.A	Rinse-off hair permanent or other hair chemical treatments (e.g. relaxers), excluding hair dyes
7.B	Hair sprays of all types (pumps, aerosol sprays, etc.) Hair styling aids (mousse, gels, leave in conditioners) Leave-on hair permanent or other hair chemical treatments (e.g. relaxers), including hair dyes Dry shampoo or waterless shampoo Hair deodorizer
8	Intimate wipes Tampons Baby wipes Toilet paper (wet)
9	Bar soap Shampoo of all type Cleanser for face, eyes and lips 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
10.A	Hand wash laundry detergent Laundry pre-treatment of all types (e.g. paste, sprays, sticks) Hand dishwashing detergent Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.) Machine laundry detergents with skin contact (e.g. liquids, powders) 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 ring, red diffusers, pot-pourri, etc. Odored distilled water (that can be added to steam irons)
10.B	Sprays (of all types) applied to animals Air freshener sprays, including aerosol and pump Aerosol/spray insecticides
11.A	Feminine hygiene conventional pads, liners, interlabial pads Diapers (baby and adult) Adult incontinence pant, pad Toilet paper (dry)
11.B	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 Solid fertilizers
12	Candles of all types (including encased) Machine laundry detergents with minimal skin contact (e.g. liquid tabs, pods) Air fresheners and fragranting of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragranting 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 Machine dishwash detergent and deodorizers Paints Plastic articles (excluding toys) Scratch and sniff Scent pack Scent delivery system (using dry air technology) Shoe polishes Toilet blocks