



FRATERWORKS

CERTIFICATE OF CONFORMITY OF FRAGRANCE MIXTURES WITH IFRA STANDARDS

This Certificate assesses the conformity of a fragrance mixture with 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.

CERTIFYING PARTY:

Fraterworks
P. O. Box 46009, Park Avenue, Lower Hutt 5044, New Zealand

CERTIFICATE DELIVERED TO:

Customer:

SCOPE OF THE CERTIFICATE:

Product: 192744 JONQUIL EXTRA

COMPULSORY INFORMATION:

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

<i>IFRA Category(ies) [see Table 12 in Guidance for the use of IFRA Standards for details]</i>	<i>Level of use (%)*</i>
<i>Category 1</i>	<i>2.1767</i>
<i>Category 2</i>	<i>0.6629</i>
<i>Category 3</i>	<i>2.4735</i>
<i>Category 4</i>	<i>2.5000</i>
<i>Category 5A</i>	<i>2.5000</i>
<i>Category 5B</i>	<i>1.5778</i>
<i>Category 5C</i>	<i>2.4735</i>
<i>Category 5D</i>	<i>0.5290</i>
<i>Category 6</i>	<i>1.2862</i>
<i>Category 7A</i>	<i>2.4735</i>
<i>Category 7B</i>	<i>2.4735</i>
<i>Category 8</i>	<i>0.5290</i>
<i>Category 9</i>	<i>7.5195</i>
<i>Category 10A</i>	<i>4.8000</i>
<i>Category 10B</i>	<i>2.5000</i>
<i>Category 11A</i>	<i>0.5290</i>
<i>Category 11B</i>	<i>0.5290</i>
<i>Category 12</i>	<i>100.0000</i>

**Actual use level or maximum use level*

For other kinds of application or use at higher concentration levels, a new evaluation may be needed; please contact the certifying party.

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OPTIONAL INFORMATION:

Product: 192744 JONQUIL EXTRA

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

Materials under the scope of IFRA Standards:	CAS number(s):	Recommendation from IFRA Standard:	Concentration (%) in fragrance mixture or finished product:
Benzaldehyde	100-52-7		0.0250
Benzyl cyanide	140-29-4	Prohibition: Benzyl cyanide as such should not be used as fragrance ingredient. The natural extracts containing Benzyl cyanide should not be used as substitutes for this substance. Restriction: On the basis of established maximum concentration levels of this substance in commercially available natural sources (like essential oils and extracts), exposure to this substance from the use of these oils and extracts is not significant and the use of these oils is authorized as long as the level of Benzyl cyanide in the finished product does not exceed 0.01% (100 ppm).	0.0022
Cuminaldehyde	122-03-2		0.0100
Cyclamen aldehyde	103-95-7	Specification: Cyclamen aldehyde should not contain more than 1.5% of Cyclamen alcohol.	0.1300
Farnesal	19317-11-4		0.0010
Methyl N-formylanthranilate	41270-80-8	Specification: 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.	0.0002

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Methyl N-methylantranilate	85-91-6		4.0000
o-Methoxycinnamaldehyde	1504-74-1		0.0000
Safrole, Isosafrole and Dihydrosafrole	94-59-7	Prohibition: Safrole, Isosafrole and/or Dihydrosafrole as such should not be used as fragrance ingredients. The natural extracts containing Safrole, Isosafrole and/or Dihydrosafrole should not be used as substitutes for these ingredients. Restriction: On the basis of established maximum concentration levels of this substance in commercially available natural sources (like essential oils, extracts and absolutes), exposure to this substance from the use of these oils and extracts is regarded acceptable as long as the total concentration of Safrole, Isosafrole and Dihydrosafrole in the finished consumer product does not exceed 0.01%.	0.0000

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Styrax	8024-01-9	<p>Prohibition: Crude gums of Liquidambar styraciflua L. var. macrophylla or Liquidambar orientalis Mill. should not be used as fragrance ingredients for any finished product application.</p> <p>Restriction: Only extracts or distillates (resinoids, absolutes and oils), prepared from exudations of Liquidambar styraciflua L. var. macrophylla or Liquidambar orientalis Mill., can be used.</p> <p>Specification: Styrax oil can be obtained from solvent extraction or pyrolysis. Styrax oil obtained through pyrolysis shall be rectified according to Good Manufacturing Practices (GMP) and the content of Polycyclic Aromatic Hydrocarbons (PAH) resulting from their use shall respect the following requirement: Benzopyrene and 1,2-Benzanthracene are to be used as markers for PAH. If used alone or in combination with rectified Cade oil, rectified Birch tar oils or rectified Opoponax oil, the total concentration of both of the markers should not exceed 1 ppb in the final product.</p>	5.0000
Ylang ylang extracts	8006-81-3		2.0500
alpha-Amyl cinnamic aldehyde	122-40-7		2.0000
Benzyl alcohol	100-51-6		10.7743
Benzyl benzoate	120-51-4		0.1675
Benzyl salicylate	118-58-1		10.0615
Cinnamic aldehyde	104-55-2		0.0003
Cinnamic alcohol	104-54-1		10.1070
Citral	5392-40-5		0.0026

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Citronellol	106-22-9		1.0400
Coumarin	91-64-5		0.0060
Eugenol	97-53-0		0.0112
Farnesol	4602-84-0	Specification: Farnesol should only be used as a fragrance ingredient if it contains a minimum of 96% of farnesol isomers as determined by GLC.	0.0452
Geraniol	106-24-1		0.2129
Hydroxycitronellal	107-75-5		16.2501
Isoeugenol	97-54-1		0.0103
Linalool	78-70-6	Specification: 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).	3.4800

Date: 21 Mar 2024

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Annex: Definition of IFRA Standard categories by product type

Product type	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, deocologne, 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 and around the eyes	3
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	4
Products applied to the face and body using the hands (palms), primarily leave-on:	
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)	5A
Facial toner Facial moisturizers and creams	5B
Hand cream Nail care products including cuticle creams, etc. Hand sanitizers	5C
Baby cream/lotion, baby oil, baby powders and talc	5D
Toothpaste Mouthwash, including breath sprays Toothpowder, strips, mouthwash tablets	6
Products applied to the hair with some hand contact:	
Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes	7A
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	7B
Intimate wipes Tampons Baby wipes Toilet paper (wet)	8

Annex: Definition of IFRA Standard categories by product type - continued

Product type	Category
<p>Bar soap Shampoo of all type 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
Household care products with mostly hand contact:	
<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 ring, reed diffusers, pot-pourri, liquid refills for air fresheners (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
Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate:	
<p>Feminine hygiene conventional pads, liners, 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)</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 (cartridge), 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)</p>	12



Allergen Analysis

Product: 192744 JONQUIL EXTRA

Ingredient	CAS number(s):	Concentration present as a percentage (%) or "A" for absent
alpha-iso-Methylionone	127-51-5	A
Amyl Cinnamal	122-40-7	2.0000
Amylcinnamyl Alcohol	101-85-9	A
Anise Alcohol	105-13-5	A
Benzyl Alcohol	100-51-6	10.7743
Benzyl Benzoate	120-51-4	0.1675
Benzyl Cinnamate	103-41-3	A
Benzyl Salicylate	118-58-1	10.0615
Butylphenyl Methylpropional (Lilial)	80-54-6	A
Cinnamal	104-55-2	0.0003
Cinnamyl Alcohol	104-54-1	10.1070
Citral	106-26-3, 141-27-5, 5392-40-5	0.0026
Citronellol	106-22-9, 1117-61-9, 141-25-3, 26489-01-0, 6812-78-8, 7540-51-4	1.0400
Coumarin	91-64-5	0.0060
Eugenol	97-53-0	0.0112
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A
Farnesol	106-28-5, 16106-95-9, 3790-71-4, 3879-60-5, 4602-84-0	0.0452
Geraniol	106-24-1	0.2129
Hexyl Cinnamal	101-86-0	A
Hydroxycitronellal	107-75-5	16.2501
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (Lyral)	31906-04-4	A
Isoeugenol	5932-68-3, 97-54-1	0.0103
Limonene	138-86-3, 5989-27-5, 5989-54-8, 7705-14-8	A
Linalool	126-90-9, 126-91-0, 78-70-6	3.4800
Methyl 2-Octynoate	111-12-6	A

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