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IFRA CONFORMITY CERTIFICATE

Essential Oil

Product: THYME LINALOOL (THYMUS ZYGIS) OIL

We certify that the above compound is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 50th Amendment / published June 2021), provided it is used in the following category(ies) at a maximum concentration level of:

IFRA class(es)	**Maximum Level of use (%)**	*IFRA class(es)*	**Maximum Level of use (%)**
Category 1	*11.00*	*Category 7A*	*20.00*
Category 2	*3.200*	*Category 7B*	*20.00*
Category 3	*10.00*	*Category 8*	*5.10*
Category 4	*60.00*	*Category 9*	*100.00*
Category 5A	*15.00*	*Category 10A*	*100.00*
Category 5B	*15.00*	*Category 10B*	*100.00*
Category 5C	*15.00*	*Category 11A*	*5.10*
Category 5D	*5.10*	*Category 11B*	*5.10*
Category 6	*35.00*	*Category 12*	*Not Restricted*

Regulated Substance	**Max Concentration (%)**	**Limiting Substance**
Geraniol	0.50	Yes
Citral (Geranial & Neral)	1.00	Yes
Limonene**	4.00	No
Linalool**	50.00	No

Maximum peroxide level should be less than 20mmol/Litre**

The essential oil of Thyme Linalool (Thymus Zygis) on its own, is not impacted by the IFRA code for its use in perfuming compositions, however, the components listed above are impacted.

Essential Oils containing substantial amounts of Limonene** and Linalool** should only be used when the level of peroxide is kept to the lowest practical level by the addition on antioxidants in production.

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee. Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA Code of Practice.

This certificate is based on statistical analytical data and is not carried out on each batch. The stated use levels relate to this specific material alone and may not be valid when used in combination with other restricted materials. It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.

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Definition of IFRA 49th Amendment Categories

List of IFRA categories and subcategories with corresponding product

IFRA Category Product Type	IFRA Sub-category	Flavour use	Phototoxicity	IFRA category for Certificate of Conformity of fragrance mixtures with IFRA Standards
Category 1				
Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.)		YES	Applicable (leave-on products)	Category 1
Children's toys		YES	Applicable (leave-on products)	Category 1
Category 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.)		NO	Applicable (leave-on products)	Category 2
Body sprays (including body mist)		NO	Applicable (leave-on products)	Category 2
Category 3				
Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer		NO	Applicable (leave-on products)	Category 3
Facial make up and foundation		NO	Applicable (leave-on products)	Category 3
Make-up remover for face and eyes		NO	Applicable (leave-on products)	Category 3
Nose pore strips		NO	Applicable (leave-on products)	Category 3
Wipes or refreshing tissues for face, neck, hands, body		NO	Applicable (leave-on products)	Category 3
Body and face paint (for children and adults)		NO	Applicable (leave-on products)	Category 3
Facial masks for face and around the eyes		NO	Applicable (leave-on products)	Category 3
Category 4				
Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, aftershaves of all types, etc.)		NO	Applicable (leave-on products)	Category 4
Fragranced bracelets		NO	Applicable (leave-on products)	Category 4
Ingredients of perfume kits and fragrance mixtures for cosmetic kits		NO	Applicable (leave-on products)	Category 4
Scent pads, foil packs		NO	Applicable (leave-on products)	Category 4
Scent strips for hydroalcoholic products		NO	Applicable (leave-on products)	Category 4
Category 5				
Body creams, oils, lotions of all types	A	NO	Applicable (leave-on products)	Category 5A
Foot care products (creams and powders)	A	NO	Applicable (leave-on products)	Category 5A
Insect repellent (intended to be applied to the skin)	A	NO	Applicable (leave-on products)	Category 5A
All powders and talc (excluding baby powders and talc)	A	NO	Applicable (leave-on products)	Category 5A

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Facial toner	B	NO	Applicable (leave-on products)	Category 5B
Facial moisturizers and creams	B	NO	Applicable (leave-on products)	Category 5B
Hand cream	C	NO	Applicable (leave-on products)	Category 5C
Nail care products including cuticle creams, etc.	C	NO	Applicable (leave-on products)	Category 5C
Hand sanitizers	C	NO	Applicable (leave-on products)	Category 5C
Baby cream/lotion, baby oil, baby powders and talc	D	NO	Applicable (leave-on products)	Category 5D
Category 6				
Toothpaste		YES	Applicable (leave-on products)	Category 6
Mouthwash, including breath sprays		YES	Applicable (leave-on products)	Category 6
Toothpowder, strips, mouthwash tablets		YES	Applicable (leave-on products)	Category 6
Category 7				
Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes	A	NO	Applicable (rinse-off products)	Category 7A
Hair sprays of all types (pumps, aerosol sprays, etc.)	B	NO	Applicable (leave-on products)	Category 7B
Hair styling aids non sprays (mousse, gels, leave- on conditioners)	B	NO	Applicable (leave-on products)	Category 7B
Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes	B	NO	Applicable (leave-on products)	Category 7B
Shampoo - Dry (waterless shampoo)	B	NO	Applicable (leave-on products)	Category 7B
Hair deodorizer	B	NO	Applicable (leave-on products)	Category 7B
Category 8				
Intimate wipes		NO	Applicable (leave-on products)*	Category 8
Tampons		NO	Applicable (leave-on products)*	Category 8
Baby wipes		NO	Applicable (leave-on products)*	Category 8
Toilet paper (wet)		NO	Applicable (leave-on products)*	Category 8
Category 9				
Bar soap		NO	Applicable (rinse-off products)	Category 9
Shampoo of all type		NO	Applicable (rinse-off products)	Category 9
Cleanser for face (rinse-off)		NO	Applicable (rinse-off products)	Category 9
Conditioner (rinse-off)		NO	Applicable (rinse-off products)	Category 9
Liquid soap		NO	Applicable (rinse-off products)	Category 9
Body washes and shower gels of all types		NO	Applicable (rinse-off products)	Category 9
Baby wash, bath, shampoo		NO	Applicable (rinse-off products)	Category 9
Bath gels, foams, mousses, salts, oils and other products added to bathwater		NO	Applicable (rinse-off products)	Category 9
Foot care products (feet are placed in a bath for soaking)		NO	Applicable (rinse-off products)	Category 9
Shaving creams of all types (stick, gels, foams, etc.)		NO	Applicable (rinse-off products)	Category 9

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All depilatories (including facial) and waxes for mechanical hair removal		NO	Applicable (rinse-off products)	Category 9
Shampoos for pets		NO	Applicable (rinse-off products)	Category 9
Category 10				
Hand wash laundry detergent (including concentrates)	A	NO	Applicable (rinse-off products)	Category 10A
Laundry pre-treatment of all types (e.g. paste, sprays, sticks)	A	NO	Applicable (rinse-off products)	Category 10A
Hand dishwashing detergent (including concentrates)	A	NO	Applicable (rinse-off products)	Category 10A
Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.)	A	NO	Applicable (rinse-off products)	Category 10A
Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates	A	NO	Applicable (rinse-off products)	Category 10A
Dry cleaning kits	A	NO	Applicable (rinse-off products)	Category 10A
Toilet seat wipes	A	NO	Applicable (rinse-off products)	Category 10A
Fabric softeners of all types including fabric softener sheets	A	NO	Applicable (rinse-off products)	Category 10A
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)	A	NO	Applicable (rinse-off products)	Category 10A
Floor wax	A	NO	Applicable (rinse-off products)	Category 10A
Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc.	A	NO	Applicable (rinse-off products)	Category 10A
Ironing water (Odorized distilled water)	A	NO	Applicable (rinse-off products)	Category 10A
Animal sprays – sprays applied to animals of all types	B	NO	Applicable (leave-on products)	Category 10B
Air freshener sprays, manual, including aerosol and pump	B	NO	Applicable (leave-on products)	Category 10B
Aerosol/spray insecticides	B	NO	Applicable (leave-on products)	Category 10B
Category 11				
Feminine hygiene conventional pads, liners, interlabial pads	A	NO	Not applicable (leave-on products without UV	Category 11A
Diapers (baby and adult)	A	NO	Not applicable (leave-on products without UV	Category 11A
Adult incontinence pant, pad	A	NO	Not applicable (leave-on	Category 11A
Toilet paper (dry)	A	NO	Not applicable (leave-on products without UV	Category 11A
Tights with moisturizers	B	NO	Applicable (leave-on products)	Category 11B
Scented socks, gloves	B	NO	Applicable (leave-on products)	Category 11B

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Facial tissues (dry tissues)	B	NO	Applicable (leave-on products)	Category 11B
Napkins	B	NO	Applicable (leave-on products)	Category 11B
Paper towels	B	NO	Applicable (leave-on products)	Category 11B
Wheat bags	B	NO	Applicable (leave-on products)	Category 11B
Facial masks (paper/protective) e.g. surgical masks not used as medical device	B	NO	Applicable (leave-on products)	Category 11B
Fertilizers, solid (pellet or powder)	B	NO	Applicable (leave-on products)	Category 11B
Category 12				
Candles of all types (including encased)		NO	Not applicable (non-skin	Category 12
Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods)		NO	Not applicable (non-skin	Category 12
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)		NO	Not applicable (non-skin contact products)	Category 12
Air delivery systems		NO	Not applicable (non-skin	Category 12
Cat litter		NO	Not applicable (non-skin	Category 12
Cell phone cases		NO	Not applicable (non-skin	Category 12
Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders)		NO	Not applicable (non-skin	Category 12
Fuels		NO	Not applicable (non-skin	Category 12
Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays		NO	Not applicable (non-skin contact products)	Category 12
Joss sticks or incense sticks		NO	Not applicable (non-skin	Category 12
Dishwash detergent and deodorizers – for machine wash		NO	Not applicable (non-skin	Category 12
Olfactive board games		NO	Not applicable (non-skin	Category 12
Paints		NO	Not applicable (non-skin	Category 12
Plastic articles (excluding toys)		NO	Not applicable (non-skin	Category 12
Scratch and sniff		NO	Not applicable (non-skin	Category 12
Scent pack		NO	Not applicable (non-skin	Category 12
Scent delivery system (using dry air technology)		NO	Not applicable (non-skin	Category 12
Shoe polishes		NO	Not applicable (non-skin	Category 12
Rim blocks (Toilet)		NO	Not applicable (non-skin	Category 12

*For the 49th Amendment, phototoxic effects are taken into consideration for Category 8 (Products with significant anogenital exposure), for reasons of conservativism to take into account potential uses of the products that could include sun exposure (e.g. baby wipes).

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