

## IDENTIFICATION OF PRODUCT

Name	Gingerbread
Intended Use	Fragrance compound for manufacturing purpose
Supplier Details	ZEN AROMA 22c Portside Drive Mt Maunganui, 3116 New Zealand
Telephone	+64 7 578 4755
Email	support@zenaroma.co.nz

We certify that the above compound is in compliance with the Standards of the International Fragrance Association (IFRA) up to and including the 50th Amendment to the IFRA standards, (published June 2021), provided it is used in the following category/categories at a maximum concentration level of:

IFRA Categories (*)	Maximum Level of Use (%)
Category 1	Not Suitable
Category 2	0.4
Category 3	0.6
Category 4	7.6
Category 5A	1.9
Category 5B	1.2
Category 5C	1.9
Category 5D	0.4
Category 6	Not Suitable
Category 7A	3.8
Category 7B	3.8
Category 8	0.4
Category 9	5.8
Category 10A	5.8
Category 10B	9.0
Category 11A	0.4
Category 11B	0.4
Category 12	9.0

(\*) See annex for definition of combined IFRA categories.

\* Note: The maximum level of use is NOT a suggested dosage level, rather the maximum allowed usage level in order to comply to IFRA standards

IFRA compliance above was assessed according to the IFRA standards and to IFRA Section 4 for general safety assessment.

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.

Section 4 mandates that ingredients in fragrances should only be used when, based on appropriate information and evaluation, it has been concluded they do not present an unreasonable risk to human health and the environment and are safe under their intended conditions of use.

It is the ultimate responsibility of our client to ensure the safety of the final product (containing this fragrance/flavour) by further testing if need be.

The creative perfumery procedures in Zen Aroma Fragrances ensure that Fragrance compounds are composed only of ingredients approved by the safety clearance procedure, and satisfy, according to the current state of knowledge, the safety requirements for the intended application under normal and reasonably foreseeable conditions of use.

## **Regulatory Compliance & Product Safety, Fragrance & Beauty**

This certificate is generated by calculation based on data for ingredients.

The data in this document has been prepared by Zen Aroma in accordance with Zen Aroma's internal protocols and procedures in order to evaluate characteristics and/or performance. Information provided in this document is based on intentional addition of a substance or analytical assessment for presence of regulatory controlled chemical targets where applicable. Trace constituents or contaminants from a raw material manufacturing process are provided where there is a regulatory requirement to declare information. The information contained herein is, to the best of Zen Aroma's knowledge, true and accurate at the time it is given. It is provided to Customer for its information and internal use only. Zen Aroma is not liable for any damages that may result from the misuse of the data. It is Customer's responsibility to perform its own evaluations on the material evaluated herein, including with respect to end-use applications. Any Customer product, marketing or other claims are Customer's sole responsibility.

## ANNEX 1

IFRA categories and subcategories, arranged alphabetically by product type.

Product Types	IFRA Category
Adult incontinence pant, pad	Category 11A
Aerosol/spray insecticides	Category 10B
Air delivery systems	Category 12
Air freshener sprays, manual, including aerosol and pump	Category 10B
All depilatories (including facial) and waxes for mechanical hair removal	Category 9
All powders and talc (excluding baby powders and talc)	Category 5A
Animal sprays – sprays applied to animals of all types	Category 10B
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)	Category 12
Baby cream/lotion, baby oil, baby powders and talc	Category 5D
Baby wash, bath, shampoo	Category 9
Baby wipes	Category 8
Bar soap	Category 9
Bath gels, foams, mousses, salts, oils and other products added to bathwater	Category 9
Body and face paint (for children and adults)	Category 3
Body creams, oils, lotions of all types	Category 5A
Body sprays (including body mist)	Category 2
Body washes and shower gels of all types	Category 9
Candles of all types (including encased)	Category 12
Cat litter	Category 12
Cell phone cases	Category 12
Children's toys	Category 1
Cleanser for face (rinse-off)	Category 9
Conditioner (rinse-off)	Category 9
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.)	Category 2

Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders)	Category 12
Diapers (baby and adult)	Category 11A
Dishwash detergent and deodorizers – for machine wash	Category 12
Dry cleaning kits	Category 10A
Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer	Category 3
Fabric softeners of all types including fabric softener sheets	Category 10A
Facial moisturizers and creams	Category 5B
Facial toner	Category 5B
Facial make up and foundation	Category 3
Facial masks (paper/protective) e.g. surgical masks not used as medical device	Category 11B
Facial masks for face and around the eyes	Category 3
Facial tissues (dry tissues)	Category 11B
Feminine hygiene conventional pads, liners, interlabial pads	Category 11A
Fertilizers, solid (pellet or powder)	Category 11B
Floor wax	Category 10A
Foot care products (creams and powders)	Category 5A
Foot care products (feet are placed in a bath for soaking)	Category 9
Fragranced bracelets	Category 4
Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc.	Category 10A
Fuels	Category 12
Hair deodorizer	Category 7B
Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes	Category 7B
Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes	Category 7A
Hair sprays of all types (pumps, aerosol sprays, etc.)	Category 7B
Hair styling aids non sprays (mousse, gels, leave- on conditioners)	Category 7B
Hand cream	Category 5C
Hand dishwashing detergent (including concentrates)	Category 10A
Hand sanitizers	Category 5C

Hand wash laundry detergent (including concentrates)	Category 10A
Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.)	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)	Category 10A
Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, aftershaves of all types, etc.)	Category 4
Ingredients of perfume kits and fragrance mixtures for cosmetic kits	Category 4
Insect repellent (intended to be applied to the skin)	Category 5A
Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays	Category 12
Intimate wipes	Category 8
Ironing water (Odorized distilled water)	Category 10A
Joss sticks or incense sticks	Category 12
Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods)	Category 12
Laundry pre-treatment of all types (e.g. paste, sprays, sticks)	Category 10A
Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.)	Category 1
Liquid soap	Category 9
Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates	Category 10A
Make-up remover for face and eyes	Category 3
Mouthwash, including breath sprays	Category 6
Nail care products including cuticle creams, etc.	Category 5C
Napkins	Category 11B
Nose pore strips	Category 3
Olfactive board games	Category 12
Paints	Category 12
Paper towels	Category 11B
Plastic articles (excluding toys)	Category 12
Rim blocks (Toilet)	Category 12
Scent delivery system (using dry air technology)	Category 12
Scent pack	Category 12
Scent pads, foil packs	Category 4

Scent strips for hydroalcoholic products	Category 4
Scented socks, gloves	Category 11B
Scratch and sniff	Category 12
Shampoo - Dry (waterless shampoo)	Category 7B
Shampoo of all type	Category 9
Shampoos for pets	Category 9
Shaving creams of all types (stick, gels, foams, etc.)	Category 9
Shoe polishes	Category 12
Tampons	Category 8
Tights with moisturizers	Category 11B
Toilet paper (dry)	Category 11A
Toilet paper (wet)	Category 8
Toilet seat wipes	Category 10A
Toothpaste	Category 6
Toothpowder, strips, mouthwash tablets	Category 6
Wheat bags	Category 11B
Wipes or refreshing tissues for face, neck, hands, body	Category 3

## ANNEX 2

IFRA categories, grouped by product type.

IFRA Category	Product Type
IFRA Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.); Childrens toys
IFRA 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.); Body sprays (including body mist)
IFRA Category 3	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, 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
IFRA Category 4	Hydroalcoholic and nonhydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragancing cream, etc.), aftershaves of all types (except creams and balms ); Fragranced bracelets; Ingredients of perfume kits and fragrance mixtures for cosmetic kits; Scent pads, foil packs; Scent strips for hydroalcoholic products
IFRA Category 5A	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)
IFRA Category 5B	Facial toner; Facial moisturizers and creams (including care products for beard and mustache)
IFRA Category 5C	Hand cream; Nail care products including cuticle creams, nail lacquer remover, etc.; Hand sanitizers
IFRA Category 5D	Baby cream/lotion, baby oil, baby powders and talc
IFRA Category 6	Toothpaste; Mouthwash, including breath sprays; Toothpowder, strips, mouthwash tablets
IFRA Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g., relaxers), including rinse-off hair dyes
IFRA Category 7B	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, hair perfume
IFRA Category 8	Intimate wipes; Intimate deodorant spray; Tampons; Baby wipes; Toilet paper (wet)
IFRA Category 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
IFRA Category 10A	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 excluding 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)
IFRA Category 10B	Animal sprays – sprays applied to animals of all types; Air freshener sprays, manual, including aerosol and pump; Aerosol/spray insecticides
IFRA Category 11A	Feminine hygiene conventional pads, liners, interlabial pads; Baby diapers; Incontinence pant, pad; Toilet paper (dry)
IFRA Category 11B	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 Category 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 fragancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragancing 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