



## IFRA Conformity Certificate

Product Name	Grapefruit Oil White		
INCI Name	Citrus Paradisi Peel Oil		
Product Code	WHC351		
Revision No	1	Date	15.03.2017

We certify that the above compound is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA 48<sup>th</sup> Amendment / published June 2015), provided it is used in the following class(es) at a maximum concentration level of:

Restricted Component	Cas No:	% Level in Product	IFRA Standard
Limonene	5989-27-5	< 99.0	Specification Stds
Linalool	78-70-6	< 1.0	Specification Stds
Nootkatone	4674-50-4	< 0.8	Specification Stds
Benzyl Benzoate	120-51-4	< 0.1	Restriction Stds (QRA cat.)
Citronellol	106-22-9	< 0.1	Restriction Stds (QRA cat.)
Citral	5392-40-5	< 1.0	Restriction Stds (QRA cat.)
Eugenol	97-53-0	< 0.1	Restriction Stds (QRA cat.)
Geraniol	106-24-1	< 0.2	Restriction Stds (QRA cat.)
Carvone	99-49-0	< 0.1	Restriction Stds (QRA cat.)
Perilla Aldehyde	2111-75-3	< 0.1	Restriction Stds (QRA cat.)
Grapefruit Oil Expressed	8016-20-4	100%	Restriction Stds (non QRA)

### Additional comments

#### Phototoxicity:

The limit only applies to applications on skin exposed to sunshine, excluding rinse-off products (please refer to Table 4 of the QRA booklet for more detailed information).

If combinations of phototoxic fragrance ingredients are used, the use levels have to be reduced accordingly. The sum of the concentrations of all phototoxic ingredients, expressed in % of their recommended maximum level in the consumer product shall not exceed 100.

Note: See remark on phototoxic ingredients in the Introduction to the IFRA Standards (Appendix 8 to the IFRA Code of Practice) and the Standard on Citrus oil and other furocoumarins-containing essential oils.

For qualities of the expressed oil in which less volatile components have been concentrated by partial or total removal of the terpene fraction, this limit should be reduced in proportion to the degree of concentration

IFRA class(es) [see annex for details]	Max level of use (%)
Class 1	4.0
Class 2	4.0
Class 3.A	4.0
Class 3.B	4.0

## IFRA Conformity Certificate

Class 3.C	4.0
Class 3.D	Not Restricted.
Class 4.A	4.0
Class 4.B	4.0
Class 4.C	4.0
Class 4.D	4.0
Class 5	4.0
Class 6	Not Restricted.
Class 7.A	50.0
Class 7.B	4.0
Class 8.A	4.0
Class 8.B	Not Restricted.
Class 9.A	Not Restricted.
Class 9.B	Not Restricted.
Class 9.C	4.0
Class 10.A	Not Restricted.
Class 10.B	Not Restricted.
Class 11	Not Restricted.

For other kinds of application or use at higher concentration levels, a new evaluation may be needed.

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 serves only as a guide to the maximum level of use. It is the ultimate responsibility of the customer to ensure safe formulating principles are utilised and the safety of the final product (containing this fragrance), by further testing if need be.

Note 1: It is recommended that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution.

Note 2: Trials must be performed to satisfy suitability for specified application.

## IFRA Conformity Certificate

**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

# IFRA Conformity Certificate

## ANNEX: Definition of IFRA Classes

Finished product types	IFRA class
Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured, etc.) Children's Toys.	Class 1
Deodorant and Antiperspirant Products of all types, including any product with intended or reasonably foreseeable use on the underarm or labelled as such (spray, stick, roll-on, under-arm, deo-cologne and body spray, etc.) Fragranced bracelets. Nose Pore Strips.	Class 2
Hydroalcoholic Products Applied To Recently Shaved Skin. (includes aftershave) (Edt range)	Class 3.A
Hydroalcoholic Products Applied To Recently Shaved Skin. (includes aftershave) (Fine fragrance range)	Class 3.B
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc.) Men's Facial Creams, Balms. Baby Creams, Lotions, Oils. Body Paint for Children.	Class 3.C
Tampons	Class 3.D
Hydroalcoholic Products Applied To Unshaved Skin (includes aqueous based, alcoholic based and hydroalcoholic) like cologne, eau de cologne, eau de parfum or parfum. (EdT Range) Ingredients of perfume kits, scent strips for hydroalcoholic products. Scent pads, foil packs.	Class 4.A
Hydroalcoholic Products Applied To Unshaved Skin (includes aqueous based, alcoholic based and hydroalcoholic) like cologne, eau de cologne, eau de parfum or parfum (Fine fragrance Range)	Class 4.B
Hair Styling Aids, Hair Sprays of all types (pumps, aerosol sprays, etc.) Hair deodourant. Body Creams, Oils, Lotions, Fragrancing Creams of all types (except baby creams, lotions and oils) Fragrance Compounds for Cosmetic Kits, Foot care products, hair deodourant. Body paint except those for children. Body sprays (including body mist) with no intended or reasonably foreseeable use on the underarm.	Class 4.C
Fragrancing creams, Solid perfumes.	Class 4.D
Women's Facial Creams/Facial Make-up. Hand cream. Hand sanitizers. Facial masks.* Baby Powder & Talc. Hair Permanent and Other Hair Chemical Treatments (e.g. relaxers) but not hair dyes. Wipes or Refreshing Tissues for Face, Neck, Hands, Body. Dry Shampoo or Waterless Shampoo.	Class 5
Mouthwash, including Breath sprays. Toothpaste.	Class 6

## IFRA Conformity Certificate

Intimate Wipes, Baby Wipes.	Class 7.A
Insect Repellent (intended to be applied to the skin).	Class 7.B
Make-up Removers of all types (not including face cleansers) Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners, etc.). Nail care. Powders and talcs (not including baby powders and talcs)	Class 8.A
Hair Dyes	Class 8.B
Liquid soap, Bar Soap (Toilet Soap) All Depilatories (including waxes for mechanical hair removal). Conditioner (Rinse-Off). Shampoos of all types (including baby shampoos) Face Cleansers of all types (washes, gels, scrubs, etc.) Shaving Creams of all types (stick, gels, foams, etc.) Body Washes of all types (including baby washes) and Shower Gels of all types. Bath Gels, Foams, Mousses, Salts, Oils and Other Products Added To Bathwater.	Class 9.A
Feminine Hygiene – Pads Feminine Hygiene – Liners Toilet Paper Wheat Bags.	Class 9.B
Facial tissues. Napkins. Paper towels. Other Aerosols (including air fresheners, sprays but not including deodorant/ antiperspirant, hair styling aids.) Fragranced Face masks (not intended to be used as medical device)	Class 9.C
Handwash Laundry Detergents of all types including concentrates Machine wash Laundry Detergents of all types including concentrates (liquid, powder, tablet etc.) including laundry bleaches and concentrates. Fabric softeners of all types including fabric softener sheets. Other Household Cleaning Products (fabric cleaners, soft surface cleaners, carpet cleaners) Dry cleaning kits. Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish etc) Shampoos for pets. Hand dishwashing detergent including concentrates. Scented gloves, socks, tights with moisturisers.	Class 10.A
Nappies Toilet seat wipes.	Class 10.B
All non-skin contact or incidental skin contact including:  Candles. Air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5 mL spray), plug ins, solid substrate, membrane delivery, electrical.) Air delivery systems. Cell phone cases.	Class 11

# IFRA Conformity Certificate

Pot pourri, powders, fragrancing sachets, liquid refills for air fresheners (non cartridge systems), reed diffusers.  
Liquid refills for air fresheners (cartridge systems).  
Shoe polishes.  
Deodorisers/ maskers not intended for skin contact ( e.g. fabric drying machine deodorisers, carpet powders)  
Insecticides (mosquito coil, paper, electrical, for clothing etc.) excluding aerosols.  
Scent delivery system using a dry air technology that releases a fragrance without sprays, aerosols or heated oils (technology of nebulisation).  
Air freshening crystals.  
Toilet blocks.  
Joss sticks or incense sticks.  
Machine dishwash detergent and deodorisers.  
Machine only laundry detergent (e.g. liquitabs)\*\*  
Plastic articles (excluding toys).  
Fuels.  
Fragranced lamp ring.  
Scent pack.  
Scratch and sniff (sampling technology).  
Paints.  
Cat litter.  
Animal sprays (all types)  
Treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorisers for textiles or fabrics).  
Floor wax.  
Odoured distilled water (that can be added to steam irons).

\* Class 5, Facial masks: There are several types of masks: peel off (similar to rinse-off, rinse-off and leave-on (you only remove the excess with a facial tissue). To ease the split the most restrictive, i.e. leave-on is applied for all.

\*\* Liquitabs corresponds to a dose of liquids wrapped in a film: no contact with hands is expected under normal conditions of use

**The table was prepared with the intention to cover the vast majority of the products; however it may not cover some specific applications. In this case other classes may be attributed based on a specific risk assessment.**

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