dsm-firmenich

IFRA Certificate of Conformity for Ingredients/Bases

This data sheet cancels and replaces all previously issued sheets for this product.

AMBROX® DL 909120

This certificate provides information on the compliance of the above mentioned fragrance ingredient/base according to the Standards of the International Fragrance Association (IFRA), up to and including the 51st Amendment (published June 2023). This fragrance ingredient/base may also contain ingredient(s) that have been evaluated in accordance with the IFRA Guidance on Safety Evaluation of Fragrance Materials.

1. Maximum permitted concentration in the final product

These limits may not be valid if our fragrance ingredient/base is used in conjunction with other materials that also contain these restricted substances. The total concentrations in the final product of all restricted substances should be taken into account when determining the maximum concentration permitted by IFRA.

IFRA 51 Category	IFRA 51 Product Type	IFRA 51 Level of use
1	Products applied to the lips	No Restriction
2	Products applied to the axillae	No Restriction
3	Products applied to the face/body using fingertips	No Restriction
4	Products related to fine fragrance	No Restriction
5A	Body lotion products applied to the body using the hands (palms), primarily leave-on	No Restriction
5B	Face moisturizer products applied to the face using the hands (palms), primarily leave-on	No Restriction
5C	Hand cream products applied to the hands using the hands (palms), primarily leave-on	No Restriction
5D	Baby creams, baby oils and baby talc	No Restriction
6	Products with oral and lip exposure	No Restriction
7A	Rinse-off products applied to the hair with some hand contact	No Restriction
7B	Leave-on products applied to the hair with some hand contact	No Restriction
8	Products with significant ano-genital exposure	No Restriction
9	Products with body and hand exposure, primarily rinse-off	No Restriction
10A	Household care products with mostly hand contact	No Restriction
10B	Household care products with mostly hand contact, including aerosol/spray products (with potential leave-on skin contact)	No Restriction

Disclaimer: This Certificate provides restrictions for use of the specified product based on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard, as well as ingredient(s) that have been evaluated in accordance with the IFRA Guidance on Safety Evaluation of Fragrance Materials. This certificate does not provide certification of a comprehensive safety assessment of all product constituents.

IFRA 51 Category	IFRA 51 Product Type	IFRA 51 Level of use
11A	Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate without UV exposure	No Restriction
11B	Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate with potential UV exposure	No Restriction
12	Products not intended for direct skin contact, minimal or insignificant transfer to skin	No Restriction

Please note that in some cases a fragrance ingredient/base can be banned only in Categories 1 and 6 while it is limited or free of use in other categories. This is due to the presence of one or several ingredients that are not Generally Recognized As Safe (GRAS). These will not be indicated in section 2.1.
Peroxide levels are in compliance with IFRA and EU requirements.

2. Ingredients that are banned or limited by IFRA

Section 2.1 lists ingredients that are banned by IFRA either because they are banned outright or because they contain constituent substances (components of natural complex materials or impurities in synthetic fragrance materials) that exceed purity limits set by IFRA.
Section 2.2 lists ingredients or substances that are restricted by IFRA. In cases where section 2.1 indicates that the fragrance ingredient/base is banned by IFRA, we are still providing information on ingredients and substances that are subject only to quantitative limits as these may determine the limits of compliance once the banned ingredient has been removed.
For further information on the IFRA Standards relating to these ingredients, they can be found on www.ifraorg.org or by request from us.

2.1. Ingredients and substances banned by IFRA

Name	CAS #	Quantity in fragrance ingredient/base

2.2. Ingredients and substances subject to limitations by IFRA

Name	CAS #	Quantity in fragrance ingredient/base

3. Substances, which may have some potential to form nitrosamines in the presence of nitrosating systems

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NONE

Please contact us for clarification or in case any restrictions are potentially problematic for compliance.

APPENDIX FOR IFRA 51 CATEGORIES

Category	Description
1	Children's toys — Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.)
2	Body sprays (including body mist) — 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.)
3	Body and face paint (for children and adults) — 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 — Facial masks for face and around the eyes — Make-up remover for face and eyes — Nose pore strips — Wipes or refreshing tissues for face, neck, hands, body
4	Fragranced bracelets — Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, etc.), aftershaves of all types (except creams and balms) — Ingredients of perfume kits and fragrance mixtures for cosmetic kits — Scent pads, foil packs — Scent strips for hydroalcoholic products
5A	All powders and talc (excluding baby powders and talc) — Body creams, oils, lotions of all types — Foot care products (creams and powders) — Insect repellent (intended to be applied to the skin)
5B	Facial moisturizers and creams (including care products for beard and mustache) — Facial toner
5C	Hand cream — Hand sanitizers — Nail care products including cuticle creams, nail lacquer remover, etc.
5D	Baby cream/lotion, baby oil, baby powders and talc
6	Mouthwash, including breath sprays — Toothpaste — Toothpowder, strips, mouthwash tablets
7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes
7B	Hair deodorizer, hair perfume — Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes — Hair sprays of all types (pumps, aerosol sprays, etc.) — Hair styling aids non sprays (mousse, gels, leave-on conditioners) — Shampoo-Dry (waterless shampoo)
8	Baby wipes — Intimate deodorant spray — Intimate wipes — Tampons — Toilet paper (wet) — Condoms
9	All depilatories (including facial) and waxes for mechanical hair removal — Baby wash, bath, shampoo — Bar soap — Bath gels, foams, mousses, salts, oils and other products added to bathwater (such as bath bombs) — Body washes and shower gels of all types — Cleanser for face (rinse-off) — Conditioner (rinse-off) — Foot care products (feet are placed in a

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Category	Description
	bath for soaking) — Liquid soap — Shampoo of all type — Shampoos for pets — Shaving creams of all types (stick, gels, foams, etc.)
10A	Dry cleaning kits (involving manual application on the textile) — Fabric softeners of all types excluding fabric softener sheets — Floor wax — Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc. — Hand dishwashing detergent (including concentrates) — Hand wash laundry detergent (including concentrates) — Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.) — 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) — Ironing water (Odorized distilled water) — Laundry pre-treatment of all types (e.g. paste, sprays, sticks) — Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates — Toilet seat wipes
10B	Aerosol/spray insecticides — Air freshener sprays, manual, including aerosol and pump — Animal sprays – sprays applied to animals of all types
11A	Adult incontinence pant, pad — Diapers (baby and adult) — Feminine hygiene conventional pads, liners, interlabial pads — Toilet paper (dry)
11B	Facial masks (paper/protective) e.g. surgical masks not used as medical device — Facial tissues (dry tissues) — Fertilizers, solid (pellet or powder) — Napkins — Paper towels — Pillow spray — Scented socks, gloves — Tights with moisturizers — Wheat bags
12	Air delivery systems — 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, solid non aerosol car diffuser) — Candles of all types (including encased) — Cat litter — Cell phone cases — Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders) — Dishwash detergent and deodorizers – for machine wash — 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 — Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods) — Olfactive board games — Paints — Plastic articles (excluding toys) — Rim blocks (Toilet) — Scent beads — Scent delivery system (using dry air technology) — Scent pack — Scratch and sniff — Shoe polishes — Toilet gel

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