



Navy Heart Essential Oils

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IFRA COMPLIANCE DOCUMENT

Lavender Essential Oil | IFRA 51st Amendment (June 2023)

Issue Date: May 24, 2026

PRODUCT IDENTIFICATION

Product Name	Lavender Essential Oil
Botanical Name	Lavandula angustifolia
INCI Name	Lavandula Angustifolia (Lavender) Oil
CAS Number	8000-28-0
Product Type	Essential Oil — Aromatic
Supplier	Navy Heart Essential Oils, Calgary, Alberta, Canada
IFRA Amendment	51st Amendment to the IFRA Code of Practice (published June 2023)
Document Issue Date	May 24, 2026

IFRA COMPLIANCE STATEMENT

Navy Heart Essential Oils hereby confirms that Lavender Essential Oil is assessed in accordance with the IFRA 51st Amendment to the IFRA Code of Practice (published June 2023). This oil is compliant for use in the product categories listed below, provided it is used at or below the maximum concentration levels stated.

Lavender is one of the most widely used and well-tolerated essential oils in cosmetic formulation. Its primary restricted constituents are linalool and linalyl acetate. Lot BR-260120 (see Certificate of Analysis) was GC/MS-verified at linalyl acetate 42.50%, linalool 31.89%, and lavandulyl acetate 3.53% — both major constituents occur at levels that allow generous usage limits across all categories. This oil is approved for use in lip products, leave-on skincare, rinse-off products, and home fragrance with no prohibition in any category.

IFRA CATEGORY USAGE LIMITS — 51ST AMENDMENT

IFRA Category	Typical Product Applications	Max. Usage Level (51st Amdt.)	Navy Heart Recommended
1	Lip products (lip balm, lipstick, lip gloss, lip scrub)	13.50%	Use with caution — max 1% recommended for lip-safe formulations
2	Deodorant & antiperspirant products (spray, stick, roll-on)	4.00%	Up to 2%
3	Facial makeup, eye products, eye shadow, mascara, blush, foundation	17.80%	Up to 1% (facial sensitization precaution)
4	Hair products — leave-on (hair oil, hair serum, scalp treatment)	75.00%	Up to 3%
5A	Body leave-on: body lotion, body butter, body oil, body cream, foot cream	19.00%	Up to 2%
5B	Face leave-on: facial moisturiser, face cream, serum, facial toner	19.00%	Up to 1%
5C	Hand leave-on: hand cream, hand lotion, cuticle cream	19.00%	Up to 1.5%
5D	Baby leave-on: baby lotion, baby oil, baby cream, diaper cream	7.00%	Up to 0.5% — extra caution for baby products
6	Intimate wipes, feminine hygiene products	0.48%	Up to 0.2%
7A	Rinse-off body: shower gel, body wash, shampoo, bath products	36.00%	Up to 3%
7B	Rinse-off hair: conditioner, hair mask, hair rinse	36.00%	Up to 2%
8	Intimate leave-on with anogenital exposure	7.00%	Up to 0.5%
9	Rinse-off: bar soap, facial wash, hand wash, scrubs, bath bombs	Not Limited	Up to 3%
10A	Home fragrance: reed diffusers, pot pourri, sachets	55.00%	Up to 15%
10B	Room spray, linen spray, air freshener spray	Not Limited	Up to 5%
11A	Fabric treatment — rinse-off (fabric softener, laundry detergent)	7.00%	Up to 3%
11B	Fabric treatment — leave-on (dryer sheets, ironing water, pillow spray)	7.00%	Up to 2%
12	Non-skin contact: candles, wax melts, incense	Not Limited	Up to 10%

Note: Maximum usage levels above are sourced from IFRA 51st Amendment standards based on known typical constituent ranges for lavender essential oil. These limits apply to the finished product (i.e. the percentage of this essential oil in the final formulation). Navy Heart recommended levels are conservative industry-standard guidelines — the IFRA maximum is a safety ceiling, not a formulation target. Lot BR-260120's CoA confirms linalyl acetate, linalool, and lavandulyl acetate content (see Certificate of Analysis); the category limits below are based on typical composition ranges rather than a full lot-specific IFRA recalculation.

COLOUR KEY

Green	Not Limited — no IFRA restriction applies in this category.
White	Standard limit applies — use at or below the stated maximum.
Amber	Use with extra caution — sensitive application area (lips, baby, intimate). Lower recommended levels apply.

Red

Not Approved / 0% — this oil is not permitted in this category.

ADDITIONAL FORMULATION NOTES

Soap makers (Category 9):

Lavender is not IFRA-limited in soap, but it has a reputation for mild trace acceleration and occasional ricing in cold process — attributed to its linalool/linalyl acetate content interacting with harder fats, especially at cooler soaping temperatures or higher usage rates. It rarely causes a full seize the way spice or eugenol-heavy oils can. To reduce risk: soap at a slightly warmer temperature, add the oil at light trace, mix in with a whisk or spoon rather than a stick blender, and consider pre-dispersing it in a small amount of the recipe's liquid oil before adding.

Blending with other essential oils:

When blending multiple essential oils, the total concentration of each restricted constituent (e.g. linalool, geraniol) across all oils in the formula must be calculated and remain below the IFRA limit for that constituent in the applicable category. Tools such as EOCALC can assist with this calculation.

Skin sensitization:

Linalool is a known skin sensitizer at elevated concentrations. While lavender limits are generous, formulators should follow the precautionary principle and stay well below IFRA maximums for leave-on face and baby products.

Phototoxicity:

Lavender essential oil is not considered phototoxic. No special sun-exposure precautions are required based on IFRA constituent data.

Lip products (Category 1):

Lavender is one of the few essential oils approved for lip products at meaningful levels (IFRA max 13.50%). Navy Heart recommends a conservative usage of $\leq 1\%$ for lip formulations. Always conduct your own safety assessment.

Disclaimer: This IFRA compliance document is prepared in good faith based on known typical constituent data for this essential oil and the IFRA 51st Amendment (June 2023). Usage limits are based on typical composition ranges and information derived from supplier testing. It is the responsibility of the formulator to verify compliance for their specific formulation. Navy Heart Essential Oils makes no warranty as to the accuracy or completeness of this information. Always perform your own safety assessment before use in consumer products.

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