



BOTANICAL TECHNICAL DOSSIER

Egyptian Blue Lotus Absolute

Complete Technical &
Product Documentation

Nymphaea caerulea

EGYPT / FLOWERS / SUPERCRITICAL CO₂ EXTRACTION

Product reference BL-002

Featured batch BL-2026-01

Dossier edition: 25 September 2026

Product identity • Batch data • Allergens • IFRA use limits
Handling and storage • Safety status • Technical summary

01 / BOTANICAL & PRODUCT PROFILE

Product identity

Field	Product information
Product	Egyptian Blue Lotus Absolute
Botanical name	Nymphaea caerulea
INCI name	Nymphaea Caerulea Flower Extract
Product reference	BL-002
Country of origin / plant part	Egypt / Flowers
Extraction method	Supercritical CO ₂ Extraction
CAS number	91723-04-5
EC / EINECS number	294-508-1

A concentrated aromatic ingredient which may be used in aromatherapy, natural perfumery, cosmetics and personal care formulations. Application-specific IFRA limits are set out on pages 7-8.

Terminology & scope

The source COA describes the quality as “100% Pure Essential Oil” and names the product “Egyptian Blue Lotus Absolute”. This dossier preserves the product name and stated supercritical CO₂ extraction method; the quoted quality wording is the source description.

Guide to this dossier

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3	COA, microbiological and heavy-metal information
4-6	EU fragrance allergen declaration: all 82 source entries
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Batch analytical information

Batch: BL-2026-01 Date of analysis: 20 April 2026

Test	Specification	Reported result
Appearance	Pale amber to reddish-brown liquid	CONFORMS
Odour	Floral, earthy, sweet, rich	CONFORMS
Refractive index @ 25°C	1.475 - 1.495	1.486
Specific gravity (g/mL) @ 25°C*	0.945 - 0.990	0.984
Solubility	Soluble in alcohols and fixed oils; insoluble in water	CONFORMS

* Parameter name and unit reproduced as given in the COA.

Microbiological information

Parameter	Specification	Standard	Result
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149	CONFORMS
Yeast and Mould	< 10 CFU/g	ISO 16212	CONFORMS
Candida albicans	ABSENT / 1g	ISO 18416	CONFORMS
Escherichia coli	ABSENT / 1g	ISO 21150	CONFORMS
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717	CONFORMS
Staphylococcus aureus	ABSENT / 1g	ISO 22718	CONFORMS

Heavy-metal information

Parameter	Specification	Standard	Result
Lead: Pb	< 10 ppm	na	CONFORMS
Arsenic: As	< 2 ppm	na	CONFORMS
Mercury: Hg	< 1 ppm	na	CONFORMS

The COA is based on supplier-provided technical data and Gabriella Oils’ internal consistency review. It is **not an independent laboratory certificate**. “CONFORMS” is the reported result; numerical microbial counts and metal concentrations are not supplied. Heavy-metal units in the source are mg/kg or ppm; its standards field reads “na”.

Source: COA-blue-lotus.pdf, pp. 1-2. All results relate to batch BL-2026-01.

EU fragrance allergen declaration

The supplied declaration addresses the 82 fragrance allergens under Commission Regulation (EU) 2023/1545. Its declared maximum levels are **limonene 0.1%** and **linalool 0.1%**. All other entries are marked “-”, defined by the source as **<1 ppm**, generally below detection using IFRA methods and EN16274:2021.

The source gives EU ingredient-list thresholds of more than 0.001% in leave-on products and 0.01% in rinse-off products. These concern the finished product; declared ingredient maxima are not recommended use levels.

Alpha-Isomethylionone <1 ppm

CAS: 127-51-5
EC: 204-846-3

Amyl Cinnamal <1 ppm

CAS: 122-40-7
EC: 204-541-5

Amylcinnamyl Alcohol <1 ppm

CAS: 101-85-9
EC: 202-982-8

Anise Alcohol <1 ppm

CAS: 105-13-5
EC: 203-273-6

Benzyl Alcohol <1 ppm

CAS: 100-51-6
EC: 202-859-9

Benzyl Benzoate <1 ppm

CAS: 120-51-4
EC: 204-402-9

Benzyl Cinnamate <1 ppm

CAS: 103-41-3
EC: 203-109-3

Benzyl Salicylate <1 ppm

CAS: 118-58-1
EC: 204-262-9

Butylphenyl Methylpropional <1 ppm

CAS: 80-54-6
EC: 201-289-8

Cinnamal <1 ppm

CAS: 104-55-2
EC: 203-213-9

Cinnamyl Alcohol <1 ppm

CAS: 104-54-1
EC: 203-212-3

Citral <1 ppm

(Citral / Geranial / Neral)
CAS: 5392-40-5 / 141-27-5 / 106-26-3
EC: 226-394-6 / 205-476-5 / 203-379-2

Citronellol <1 ppm

CAS: 106-22-9 / 26489-01-0 / 1117-61-9 / 7540-51-4
EC: 203-375-0 / 247-737-6 / 214-250-5 / 231-415-7

Coumarin <1 ppm

CAS: 91-64-5
EC: 202-086-7

Eugenol <1 ppm

CAS: 97-53-0
EC: 202-589-1

Farnesol <1 ppm

CAS: 4602-84-0
EC: 225-004-1

Geraniol <1 ppm

CAS: 106-24-1
EC: 203-377-1

Hexyl Cinnamal <1 ppm

CAS: 101-86-0
EC: 202-983-3

Hydroxycitronellal <1 ppm

CAS: 107-75-5
EC: 203-518-7

Isoeugenol <1 ppm

CAS: 97-54-1 / 5932-68-3 / 5912-86-7
EC: 202-590-7 / 227-678-2 / 227-633-7

Limonene 0.1%

CAS: 138-86-3 / 7705-14-8 / 5989-27-5 / 5989-54-8
EC: 205-341-0 / 231-732-0 / 227-813-5 / 227-815-6

Linalool 0.1%

CAS: 78-70-6
EC: 201-134-4

Methyl 2-Octynoate <1 ppm

CAS: 111-12-6
EC: 203-836-6

Evernia Furfuracea Extract <1 ppm

(Tree moss extract)
CAS: 90028-67-4
EC: 289-860-8

Evernia Prunastri Extract <1 ppm

(Oak moss extract)
CAS: 90028-68-5
EC: 289-861-3

EU fragrance allergen declaration

Maximum declared levels are reproduced below. “<1 ppm” represents the source symbol “-”; it does not mean zero or an allergen-free claim. CAS and EC identifiers and grouped names are retained from the supplied declaration.

3-Propylenephthalide <1 ppm

CAS: 17369-59-4
EC: 241-402-8

6-Methyl Coumarin <1 ppm

CAS: 92-48-8
EC: 202-158-8

Acetyl Cedrene <1 ppm

CAS: 32388-55-9
EC: 251-020-3

Alpha-Terpinene <1 ppm

CAS: 99-86-5
EC: 202-795-1

Amyl Salicylate <1 ppm

CAS: 2050-08-0
EC: 218-080-2

Anethole <1 ppm

CAS: 104-46-1 / 4180-23-8
EC: 203-205-5 / 224-052-0

Benzaldehyde <1 ppm

CAS: 100-52-7
EC: 202-860-4

Beta- Caryophyllene <1 ppm

CAS: 87-44-5
EC: 201-746-1

Camphor <1 ppm

CAS: 76-22-2 / 21368-68-3 / 464-49-3 / 464-48-2
EC: 200-945-0 / 244-350-4 / 207-355-2 / 207-354-7

Cananga Odorata Oil / Extract <1 ppm

(Cananga odorata flower oil and extract; Ylang Ylang flower oil and extract)
CAS: 83863-30-3 / 8006-81-3 / 68606-83-7 / 93686-30-7
EC: 281-092-1 / 297-681-1

Carvone <1 ppm

CAS: 99-49-0 / 6485-40-1 / 2244-16-8
EC: 202-759-5 / 229-352-5 / 218-827-2

Cedrus Atlantica Oil / Extract <1 ppm

(Cedrus atlantica oil and extract)
CAS: 92201-55-3 / 8023-85-6
EC: 295-985-9

Cinnamomum Cassia Leaf Oil <1 ppm

CAS: 8007-80-5 / 84961-46-6
EC: 284-635-0

Cinnamomum Zeylanicum Bark Oil <1 ppm

CAS: 8015-91-6 / 84649-98-9
EC: 283-479-0

Citrus Aurantium Bergamia Peel Oil <1 ppm

(Bergamot Oil)
CAS: 8007-75-8 / 89957-91-5 / 68648-33-9 / 8007-75-8 / 85049-52-1
EC: 616-915-9 289-612-9

Citrus Aurantium Flower Oil <1 ppm

(Citrus aurantium amara and dulcis flower oil)
CAS: 72968-50-4 / 8028-48-6 / 8016-38-4
EC: 277-143-2 / 232-433-8

Citrus Aurantium Peel Oil <1 ppm

(Citrus aurantium amara and dulcis peel oil; Citrus Sinensis Peel Oil)
CAS: 68916-04-1 / 72968-50-4 / 97766-30-8 / 8028-48-6 / 8008-57-9
EC: 277-143-2 / 307-891-8 / 232-433-8

Citrus Limon Peel Oil <1 ppm

CAS: 84929-31-7 / 8008-56-8
EC: 284-515-8

Dimethyl Phenethyl Acetate <1 ppm

CAS: 151-05-3
EC: 205-781-3

Eucalyptus Globulus Oil <1 ppm

CAS: 97926-40-4 / 8000-48-4
EC: 308-257-3 / 616-775-9

Eugenia Caryophyllus Oil <1 ppm

CAS: 8000-34-8 / 8015-97-2 / 84961-50-2
EC: 616-772-2 / 284-638-7

Eugenyl Acetate <1 ppm

CAS: 93-28-7
EC: 202-235-6

Geranyl Acetate <1 ppm

CAS: 105-87-3
EC: 203-341-5

Hexadecanolactone <1 ppm

CAS: 109-29-5
EC: 203-662-0

Hexamethylindanopyran <1 ppm

CAS: 1222-05-5
EC: 214-946-9

Isoeugenyl Acetate <1 ppm

CAS: 93-29-8
EC: 202-236-1

Jasmine Oil / Extract <1 ppm

(Jasminum grandiflorum / officinale oil and extract)
CAS: 84776-64-7 / 90045-94-6 / 8022-96-6 / 8024-43-9
EC: 283-993-5 / 289-960-1

Juniperus Virginiana Oil <1 ppm

CAS: 8000-27-9 / 85085-41-2
EC: 285-370-3

Laurus Nobilis Leaf Oil <1 ppm

CAS: 8002-41-3 / 8007-48-5 / 84603-73-6
EC: 283-272-5

Lavandula Oil / Extract <1 ppm

(Lavandula hybrida oil/extract; Lavandula intermedia oil/extract; Lavandula angustifolia oil/extract)
CAS: 91722-69-9 / 8022-15-9 / 93455-96-0 / 93455-97-1 / 92623-76-2 / 84776-65-8 / 8000-28-0 / 90063-37-9
EC: 294-470-6 / 296-408-3 / 283-994-0 / 289-995-2

Source: eu-allergens-blue-lotus-absolute.pdf, pp. 1-7. Maximum levels; not batch assays.

EU fragrance allergen declaration

Maximum declared levels are reproduced below. “<1 ppm” represents the source symbol “-”; it does not mean zero or an allergen-free claim. CAS and EC identifiers and grouped names are retained from the supplied declaration.

Lemongrass Oil <1 ppm

(Cymbopogon citratus / schoenanthus / flexuosus oils)
CAS: 8007-02-1 / 89998-16-3 / 91844-92-7
EC: 289-754-1 / 295-161-9

Linalyl Acetate <1 ppm

CAS: 115-95-7
EC: 204-116-4

Lippia citriodora absolute <1 ppm

(Verbena absolute)
CAS: 8024-12-2 / 85116-63-8
EC: 285-515-0

Mentha Piperita Oil <1 ppm

CAS: 8006-90-4 / 84082-70-2
EC: 282-015-4

Mentha Viridis Leaf Oil <1 ppm

(Mentha spicata oil / Spearmint oil)
CAS: 8008-79-5 / 84696-51-5
EC: 616-927-4 / 283-656-2

Menthol <1 ppm

CAS: 89-78-1 / 1490-04-6 / 2216-51-5 / 15356-60-2
EC: 201-939-0 / 216-074-4 / 218-690-9 / 239-387-8

Methyl Salicylate <1 ppm

CAS: 119-36-8
EC: 204-317-7

Myroxylon Pereirae Oil / Extract <1 ppm

(Myroxylon balsamum var. pereirae; extracts and distillates; Balsam Peru oil, absolute and anhydrol)
CAS: 8007-00-9
EC: 232-352-8

Narcissus Extract <1 ppm

(Narcissus poeticus / pseudonarcissus / jonquilla / tazetta extract)
CAS: 90064-26-9 / 68917-12-4 / 90064-27-0 / 90064-25-8
EC: 290-087-3 / 290-088-9 / 290-086-8

Pelargonium Graveolens Flower Oil <1 ppm

CAS: 90082-51-2 / 8000-46-2
EC: 290-140-0

Pinene <1 ppm

CAS: 80-56-8 / 7785-70-8 / 127-91-3 / 18172-67-3
EC: 201-291-9 / 232-087-8 / 204-872-5 / 242-060-2

Pinus Mugo <1 ppm

(Pinus mugo leaf and twig oil and extract)
CAS: 90082-72-7
EC: 290-163-6

Pinus Pumila <1 ppm

(Pinus pumila leaf and twig oil and extract)
CAS: 97676-05-6
EC: 307-681-6

Pogostemon Cablin Oil <1 ppm

CAS: 8014-09-3 / 84238-39-1
EC: 282-493-4

Rose Flower Oil / Extract <1 ppm

CAS: 8007-01-0 / 90106-38-0 / 93334-48-6 / 84696-47-9 / 84604-12-6 / 84604-13-7 / 92347-25-6
EC: 290-260-3 / 297-122-1 / 283-652-0 / 283-289-8 / 283-290-3 / 296-213-3

Rose Ketones <1 ppm

CAS: 43052-87-5 / 23726-94-5 / 24720-09-0 / 23696-85-7 / 57378-68-4 / 71048-82-3 / 23726-92-3 / 23726-91-2
EC: 245-845-8 / 246-430-4 / 245-833-2 / 260-709-8 / 275-156-8 / 245-843-7 / 245-842-1

Salicylaldehyde <1 ppm

CAS: 90-02-8
EC: 201-961-0

Santalol <1 ppm

CAS: 11031-45-1 / 115-71-9 / 77-42-9
EC: 234-262-4 / 204-102-8 / 201-027-2

Santalum Album Oil <1 ppm

CAS: 8006-87-9 / 84787-70-2
EC: 284-111-1

Sclareol <1 ppm

CAS: 515-03-7
EC: 208-194-0

Terpineol <1 ppm

CAS: 8000-41-7 / 98-55-5 / 138-87-4 / 586-81-2
EC: 232-268-1 / 202-680-6 / 205-342-6 / 209-584-3

Terpinolene <1 ppm

CAS: 586-62-9
EC: 209-578-0

Tetramethyl acetyloctahydronaphthalenes <1 ppm

CAS: 54464-57-2 / 54464-59-4 / 68155-66-8 / 68155-67-9
EC: 259-174-3 / 259-175-9 / 268-978-3 / 268-979-9

Trimethylbenzenepropanol <1 ppm

CAS: 103694-68-4
EC: 403-140-4

Trimethylcyclopentenyl Methylisopentenol <1 ppm

CAS: 67801-20-1
EC: 267-140-4

Turpentine <1 ppm

(Turpentine gum Pinus spp.; Turpentine oil and rectified oil; Turpentine, steam distilled Pinus spp.)
CAS: 9005-90-7 / 8006-64-2 / 8052-14-0
EC: 232-688-5 / 232-350-7

Vanillin <1 ppm

CAS: 121-33-5
EC: 204-465-2

IFRA certificate & use limits

The supplied Gabriella Oils certificate states conformity with IFRA Standards up to and including the **51st Amendment (published July 2023)**, provided the product is used within the category-specific maximum concentration levels below. The certificate is based on manufacturer-supplied data.

Category	Maximum use (%)	Application guide
1	0.60%	Lip products; children's toys
2	2.76%	Deodorants, antiperspirants; body sprays / mists
3	2.84%	Eye products, facial make-up, make-up removers; wipes
4	39.71%	Fine fragrance; aftershaves (except creams / balms)
5A	9.74%	Body creams, oils and lotions; foot creams; non-baby powders
5B	2.69%	Facial toners, moisturisers and creams
5C	4.67%	Hand creams, nail care; hand sanitisers
5D	1.56%	Baby creams, lotions, oils, powders and talc
6	0.70%	Toothpaste, mouthwash, breath sprays, toothpowder
7A	4.31%	Rinse-off hair chemical treatments and hair dyes
7B	4.31%	Hair sprays and styling aids; leave-on hair treatments; dry shampoo
8	1.56%	Intimate products; baby wipes; wet toilet paper
9	12.11%	Soaps, shampoos, rinse-off conditioners; bath and shower products
10A	12.11%	Household cleaners, detergents; reed diffusers; non-cartridge refills
10B	25.78%	Animal sprays; manual air-freshener sprays; spray insecticides
11A	2.56%	Pads, diapers, incontinence products; dry toilet paper
11B	2.56%	Scented textiles, dry tissues, pillow spray; paper towels
12	100.00%	Candles, incense; automated / closed air fresheners; dryer sheets

These are the supplied certificate's limits, not a new certification to a later amendment. The certificate covers IFRA-restricted materials and relevant endpoints; it is not a comprehensive safety assessment of all constituents. Final-product safety remains the customer's responsibility.

05 / PRACTICAL CATEGORY GUIDANCE

Using the IFRA categories

Select the category for the actual finished application. Similar formats can fall into different categories because exposure and use differ. The following distinctions preserve the supplied certificate's guidance.

Application	Category / maximum	How the source distinguishes it
Fine fragrance vs body mist	4 / 39.71% 2 / 2.76%	Perfume, eau de toilette and solid perfume are Category 4; body sprays and body mists are Category 2.
Face, hand, body and baby creams	5B / 2.69% 5C / 4.67% 5A / 9.74% 5D / 1.56%	The application site and intended user determine the relevant subcategory.
Hair products	7A / 4.31% 7B / 4.31% 9 / 12.11%	Rinse-off chemical treatments: 7A. Leave-on styling and dry shampoo: 7B. Ordinary shampoo and rinse-off conditioner: 9.
Home fragrance	10A / 12.11% 10B / 25.78% 12 / 100.00%	Reed diffusers and non-cartridge liquid refills: 10A. Manual air-freshener sprays: 10B. Candles and specified automated or closed systems: 12.
Fragranced substrates	11A / 2.56% 11B / 2.56%	Minimal transfer with no UV exposure: 11A. Potential UV exposure: 11B.

Phototoxicity considerations in the source annex

Annex I marks Categories 1-5D, 7B, 8, 10B and 11B as applicable (leave-on); 6, 7A, 9 and 10A as applicable (rinse-off); 11A as not applicable (leave-on without UV exposure); and 12 as not applicable (non-skin contact). These are category considerations, not a product-specific phototoxicity finding.

Formulation responsibility

A listed category does not by itself establish suitability for a finished product. Category 12's 100.00% limit is specific to that category. For another application or a higher concentration, the source certificate advises that a new safety evaluation may be needed; contact Gabriella Oils. The customer must assess final-product safety, testing needs and applicable requirements.

Handling, storage & safety status

Handling & storage

Handle and open the container with care. Avoid contact with skin and eyes and avoid breathing vapours or spray. Do not swallow. Do not eat, drink or smoke during use; wash hands after handling. Keep out of reach of children.

Keep the container tightly closed in a cool, dry, well-ventilated place. Protect from heat, direct sunlight, temperature extremes, flames and sparks. The COA calls for a **quality review after 36 months from opening or receipt**; this is a review interval, not a guaranteed expiry date. Natural variation in colour, aroma, clarity and viscosity may occur.

Safety & Regulatory Status

Framework	Current SDS conclusion
GB CLP	Not classified
ADR / IMDG / IATA	Not regulated for transport

Current professional UK SDS: Version 1.0, issued/revised 11 August 2026, prepared by Nexreg Compliance Inc., held by Gabriella Oils and available on request where required. Request it via info@gabriellaoils.com.

This product dossier is not an SDS and does not replace the full SDS for professional, regulatory or supply-chain purposes. Its safety status supersedes the classification in the former public SDS GO-SDS-0002. The former hazard statements are not carried forward.

Document sources & status

Source supplied	Use in this dossier
COA-blue-lotus.pdf (2 pages)	Product identity; batch data; microbiology; metals; storage review.
eu-allergens-blue-lotus-absolute.pdf (7 pages)	All 82 declared entries, maxima and identifiers.
IFRA-blue-lotus.pdf (3 pages)	51st Amendment certificate limits and category guidance.
SDS-blue-lotus-absolute-v2.pdf (4 pages)	Former public SDS; INCI retained. Safety classification superseded.
Egyptian Blue Lotus Absolute EN UK CLP SDS 2026-08-11 (2).pdf (10 pages)	Current Nexreg SDS; identity, handling/storage and concise status only.

Edition: 25 September 2026. Consolidated from the supplied documents; source dates and scopes remain distinct. The user is responsible for suitability, final-product safety and legal compliance. Source information is supplied without a warranty of completeness or fitness for a particular application.

Technical Information Summary

Product: Egyptian Blue Lotus Absolute

Supplier: Gabriella Oils; www.gabriellaoils.com; info@gabriellaoils.com

Product reference: BL-002

Botanical name: Nymphaea caerulea

INCI name: Nymphaea Caerulea Flower Extract

Origin; plant part; extraction: Egypt; Flowers; Supercritical CO₂ Extraction

CAS; EC / EINECS: 91723-04-5; 294-508-1

Batch; analysis date: BL-2026-01; 20 April 2026

COA basis: Supplier technical data and internal review; not an independent laboratory certificate.

Appearance: Pale amber to reddish-brown liquid; batch result: CONFORMS.

Odour: Floral, earthy, sweet, rich; batch result: CONFORMS.

Refractive index at 25°C: Specification 1.475 - 1.495; batch result 1.486.

Specific gravity at 25°C: Specification 0.945 - 0.990; batch result 0.984. Source label includes g/mL.

Solubility: Soluble in alcohols and fixed oils; insoluble in water; CONFORMS.

Microbiology: Aerobic mesophilic bacteria <100 CFU/g (ISO 21149); yeast and mould <10 CFU/g (ISO 16212). Both CONFORMS.

Specified microorganisms: Candida albicans (ISO 18416), Escherichia coli (ISO 21150), Pseudomonas aeruginosa (ISO 22717), Staphylococcus aureus (ISO 22718): ABSENT / 1g specifications; all CONFORMS.

Heavy metals: Pb <10 ppm; As <2 ppm; Hg <1 ppm; all CONFORMS. Numerical concentrations not supplied; standards field: na.

Allergen maximum levels: Limonene 0.1%; linalool 0.1%. Remaining 80 listed entries: <1 ppm, not zero. Full list and identifiers: pages 4-6.

IFRA certificate scope: 51st Amendment (July 2023); manufacturer data; not a comprehensive safety assessment.

IFRA category maxima (%): 1: 0.60; 2: 2.76; 3: 2.84; 4: 39.71; 5A: 9.74; 5B: 2.69; 5C: 4.67; 5D: 1.56; 6: 0.70; 7A: 4.31; 7B: 4.31; 8: 1.56; 9: 12.11; 10A: 12.11; 10B: 25.78; 11A: 2.56; 11B: 2.56; 12: 100.00.

Handling: Avoid skin/eye contact and breathing vapours/spray; do not swallow; wash hands after handling; keep out of reach of children.

Storage: Tightly closed; cool, dry, well ventilated; protected from heat and direct sunlight.

Quality review: 36 months from opening or receipt; not a guaranteed expiry date.

GB CLP: Not classified.

Transport: Not regulated under ADR / IMDG / IATA.

Current professional UK SDS: Version 1.0; issued/revised 11 August 2026; prepared by Nexreg Compliance Inc.; held by Gabriella Oils; available on request where required.

Document status: Public product dossier; does not replace the full SDS. Former public SDS classification superseded.