



CERTIFICATE OF ANALYSIS (COA)

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BLUE LOTUS SEED ESSENTIAL OIL

PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Blue Lotus Seed Essential Oil
Botanical Name	Nymphaea caerulea
Plant Family	Nymphaeaceae
Plant Part	Seeds
Country of Origin	India
Extraction Method	Supercritical CO ₂ Extraction
CAS Number	Not Assigned / Not Available
EC Number	Not Assigned / Not Available
Material Type	Natural Complex Botanical Extract
Product Type	Perfumery Raw Material
Olfactive Family	Floral / Aromatic

ANALYTICAL SPECIFICATION

Test	Specification	Batch Result	Method
Appearance	Pale yellow liquid	_____	Visual
Odour	Characteristic	Conforms	Organoleptic
Botanical Identity	Nymphaea caerulea	Conforms	Specification
Plant Part	Seeds	Conforms	Specification
Extraction	Supercritical CO ₂	Conforms	Process
Colour	Pale yellow	_____	Visual
Foreign Matter	Absent	_____	Visual
Relative Density	Not established	_____	—



Test	Specification	Batch Result	Method
Refractive Index	Not established	_____	—
Acid Value	Not established	_____	—
Peroxide Value	Not established	_____	—
GC Profile	Reference/batch specification	_____	GC/GC-MS
Solvent Residue	Not applicable to conventional solvent extraction	_____	—

I would not invent numerical density, refractive index or GC specifications for the client's COA unless you have actual batch testing.

ORGANOLEPTIC PROFILE

Floral • Sweet • Aromatic • Candy-Like • Medicinal • Soapy • Inky • Spicy • Cherry • Fennel

Blue Lotus materials are chemically complex natural extracts. Published analysis of authentic *Nymphaea caerulea* extracts found hydrocarbons, aromatic alcohols, fatty acids, phenyl derivatives, diterpenoids, phytosterols and related natural constituents. However, those analyses concern flower extracts, so their percentages should **not** be copied into a seed CO₂ COA.

PURITY / COMPOSITION

100% Blue Lotus Seed CO₂ Extract

No added fragrance

No added carrier oil

No added synthetic colour

CAS Number: Not Assigned / Not Available

Use these purity statements only if they accurately reflect the material supplied.

QUALITY DECLARATION

The material represented by this certificate is identified as:

BLUE LOTUS SEED ESSENTIAL OIL

BOTANICAL NAME: *Nymphaea caerulea*

PLANT PART: SEEDS

EXTRACTION: SUPERCRITICAL CO₂

CAS NUMBER: NOT ASSIGNED / NOT AVAILABLE

Subject to the batch-specific results entered above, the material conforms to the applicable internal specification for organoleptic identity, appearance and quality.



DISCLAIMER

This is a supplier Certificate of Analysis. Numerical batch results should only be entered where supported by actual batch testing or the original producer's certificate.

Authorised by:

Fozia Khot
Director