

Gabriella Oils

Gabriella Oils | www.gabriellaoils.com | info@gabriellaoils.com

CERTIFICATE OF ANALYSIS (COA)

Product Name	COSTUS ROOT ESSENTIAL OIL
Country of Origin	Tibet
Botanical Name	Saussurea costus (Falc.) Lipsch.
CAS #	8023-88-9 ; 90106-55-1
EINECS #	290-278-1

Part Part	Roots
Quality	Pure Undiluted Essential Oil
Extraction Method	Steam Distillation
Batch Number	CO-2026-01
Date of Analysis	20/04/26

<u>TEST</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Yellow to brownish yellow, slightly viscous liquid	CONFORMS
Odour	Tenacious, animalic odour reminiscent of old precious wood	CONFORMS
Refractive Index @25°C	1.490 - 1.570 @ 20°C	1.512
Specific Gravity (g/mL) @25°C	0.966 – 1.035 @ 20°C	0.997
Solubility	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

Natural variation in colour, clarity and viscosity may occur between batches due to botanical origin, seasonal variation, extraction profile and storage temperature.

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<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
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

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na	CONFORMS
Arsenic: As (mg/kg or ppm)	< 2 ppm	na	CONFORMS
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na	CONFORMS

STABILITY AND STORAGE:

Store in a tightly closed container in a cool, dry place, protected from sunlight. Quality should be reviewed after 36 months from the date of opening or receipt.

STATEMENT:

This Certificate of Analysis is based on supplier-provided technical data and Gabriella Oils' internal review for consistency with the supplied product documentation. It is not an independent laboratory certificate.

This document relates only to the batch identified above. The user is responsible for ensuring suitability and legal compliance in the final application.

Natural botanical extracts may display normal variation in colour, aroma, clarity and viscosity from batch to batch. This does not affect authenticity or intended cosmetic use.

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