



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Oakmoss Absolute
Botanical Source	<i>Evernia prunastri</i> (L.) Ach.
INCI Name	Evernia Prunastri Extract
Alternative INCI Description	Evernia Prunastri (Oakmoss) Extract
CAS Numbers	9000-50-4
EC Number	289-861-3
Plant Material	Lichen
Extraction Method	Solvent extraction followed by decolourisation
Product Type	Natural Complex Substance / Absolute
Regulatory Grade	Traditional Non-IFRA Grade
Batch Number	OAK-ED-NIF-2607

ORGANOLEPTIC ANALYSIS

Test	Representative Specification	Representative Result
Appearance	Viscous liquid, paste or soft resinous mass	Conforms
Colour	Pale amber to brown	Conforms
Odour	Characteristic rich mossy, earthy, woody, phenolic and leathery	Conforms
Odour Strength	Strong and persistent	Conforms
Foreign Matter	Absent	Conforms
Identity	Corresponds to approved olfactive reference	Conforms



PHYSICO-CHEMICAL ANALYSIS

Test	Representative Specification	Representative Result
Relative Density at 20 °C	1.000–1.100	1.046
Refractive Index at 20 °C	1.500–1.560	1.531
Acid Value	Maximum 35 mg KOH/g	21.4 mg KOH/g
Solubility in Ethanol	Soluble to partially soluble; slight opalescence permitted	Conforms
Water Content	Maximum 1.0%	0.42%
Residual Solvent	Within the supplier's working specification	Conforms
Flash Point	Above 60 °C, representative	Conforms
Identity by Chromatographic Profile	Corresponds to representative oakmoss profile	Conforms

DECLARATION REGARDING DECOLOURISATION

Decolourisation is a colour-reduction process.

It does not, by itself, demonstrate:

- Removal of atranol
- Removal of chloroatranol
- Reduction of dehydroabietic acid
- Compliance with the IFRA Oakmoss Extract Standard
- Compliance with EU cosmetic prohibitions

The product must not be described as low-atranol, atranol-free, chloroatranol-free or IFRA compliant unless supported by suitable batch-specific analytical data.

IFRA-CRITICAL CONSTITUENT ANALYSIS

Constituent or Requirement	IFRA Specification	Batch Status
Atranol	Below 100 ppm	Not certified
Chloroatranol	Below 100 ppm	Not certified
Dehydroabietic Acid	Maximum 0.1% / 1,000 ppm	Not certified
Added Treemoss Extract	Must not be added	None intentionally added
IFRA-Compliant Oakmoss Grade	Requires analytical conformity	No — product designated Non IFRA



The IFRA Oakmoss Extract Standard requires atranol and chloroatranol to be below 100 ppm each, limits dehydroabietic acid to 0.1%, and prohibits the addition of treemoss to oakmoss extract.

REPRESENTATIVE NATURAL COMPOSITION

Oakmoss Absolute is a natural complex substance whose composition varies with the botanical material and manufacturing process.

Constituent Group	Representative Status
Lichen acids and derivatives	Present
Depsidones and depsidones	Present
Evernic-acid-related constituents	Present
Resinous botanical constituents	Present
Atranol	May be present
Chloroatranol	May be present
Dehydroabietic acid	May be present as a process-related trace
Fragrance allergens	Naturally present and batch dependent
Added synthetic fragrance materials	None intentionally added

PURITY AND QUALITY STATUS

Assessment	Result
Natural Botanical Extract	Conforms
Decolourised Grade	Yes
Low-Atranol Grade	No claim made
IFRA-Compliant Grade	No
Added Carrier Oil	None intentionally added
Added Synthetic Fragrance	None
Added Preservative	None
Artificial Colour	None
Animal-Derived Material	None
BSE/TSE Risk	Not applicable
GMO Material	Not intentionally used

STORAGE CONDITIONS

Store:



- In the original tightly closed container
- At **5–20°C**
- Protected from direct sunlight, heat and moisture
- Away from strong oxidising agents
- With minimum container headspace where practical

Gentle warming may be used to homogenise the material if it becomes highly viscous or semi-solid. Avoid excessive or prolonged heating.

SHELF LIFE

24 months from the manufacturing date when stored unopened under the recommended conditions.

CONCLUSION

The representative physical and organoleptic results conform to Aromology Trading LLC's working commercial specification for:

Oakmoss Absolute Extra Decolorised – Non IFRA

This product is a traditional non-IFRA grade. It is not certified as meeting the IFRA specification for atranol, chloroatranol or dehydroabietic acid.

It must not be used in applications requiring IFRA conformity or EU cosmetic compliance unless an appropriate purified grade is supplied and supported by batch-specific analytical documentation.

This Certificate of Analysis contains representative commercial values and is not a substitute for an original batch laboratory report.

AUTHORISED BY

Fozia Khot
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