

CERTIFICATE OF ANALYSIS (COA)

Product Name	ORRIS ABSOLUTE OIL
Synonyms	ORRIS ROOT OIL ORRIS ROOT ESSENTIAL OIL ORRIS ROOT ABSOLUTE
Botanical Name	Iris pallida, Iris florentina
Product Code	PAO2042
CAS #	8002-73-1 ; 90045-89-9
FEMA #	2830
EINECS #	289-954-9

Batch #	20422302
Manufacturing Date	FEBRUARY 2023
Best Before Date	JANUARY 2026

Part Used	Roots (Rhizomes)
Quality	100% Pure and Natural
Note	Middle to Base Note, Excellent Fixative

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Pale yellow to brown colored, slightly viscous liquid	CONFORMS
Odour	Sweet, floral, violet-like, slightly woody aroma	CONFORMS
Refractive Index	1.485 - 1.505 @ 25°C	1.495
Specific Gravity (g/mL)	0.922 - 0.942 @ 20°C	0.938
Solubility	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

Comments	Odour quality is excellent
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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:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 36 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.