



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Orris Absolute
Botanical Name	<i>Iris germanica</i> L.
INCI Name	Iris Germanica Root Extract
Product Type	Natural Botanical Absolute
Plant Part	Mature Rhizomes
CAS Number	8002-73-1
Alternative CAS	90045-90-2
EC Number	289-955-4
Irones Content	Minimum 4.5% Irones
Country of Origin	Europe
Extraction Method	Solvent extraction of aged rhizomes
Batch Number	ORR-260722

Commercial orris absolutes are commonly identified under CAS 8002-73-1 / EC 289-955-4.

ORGANOLEPTIC SPECIFICATION

Test	Specification	Representative Result
Appearance	Semi-viscous liquid to soft paste	Conforms
Colour	Pale yellow to amber	Conforms
Odour	Rich powdery, violet, woody, buttery	Conforms
Homogeneity	Uniform	Conforms
Foreign Matter	None visible	Conforms



PHYSICO-CHEMICAL SPECIFICATION

Test	Specification	Representative Result
Relative Density (20 °C)	0.930–0.980	0.952
Refractive Index (20 °C)	1.480–1.510	1.494
Irones Content	Minimum 4.5%	4.8%
Flash Point	>100 °C	118 °C
Solubility in Water	Insoluble	Conforms
Solubility in Ethanol	Soluble	Conforms

Irone content is the principal quality parameter for genuine orris extracts and is determined by gas chromatography according to ISO 18054.

REPRESENTATIVE COMPOSITION

Constituent	Representative Content
α-Irone	Major
β-Irone	Major
γ-Irone	Minor
Myristic Acid Derivatives	Natural
Fatty Acid Esters	Natural
Long-chain Hydrocarbons	Natural
Other Natural Rhizome Constituents	Balance

QUALITY STATUS

Assessment	Status
Botanical Identity	Conforms
Natural Origin	Conforms
Professional Perfumery Grade	Conforms
Added Carrier	None
Added Synthetic Fragrance	None
GMO	Not intentionally used
Animal Derived Material	None
BSE/TSE	Not applicable

STORAGE

Store tightly closed between **5–20 °C**, protected from light, heat and moisture.



SHELF LIFE

24 months when stored unopened under recommended conditions.

AUTHORISED BY

Fozia Khot

Director

Aromology Trading LLC