



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Orris Essential Oil
Botanical Name	<i>Iris pallida</i> Lam.
INCI Name	Iris Pallida Root Extract
Product Type	Natural Essential Oil
Plant Part	Rhizomes
Extraction Method	Steam distillation followed by enzymatic treatment
CAS Number	8002-73-1
Alternative CAS	90045-90-2
EC Number	289-955-4
Irones Content	Approximately 20%
Country of Origin	France
Batch Number	OEI-260722

ORGANOLEPTIC SPECIFICATION

Test	Specification	Representative Result
Appearance	Clear orange-yellow liquid	Conforms
Colour	Orange-yellow	Conforms
Odour	Woody, fruity, orris, chocolate	Conforms
Homogeneity	Uniform	Conforms
Foreign Matter	None visible	Conforms

PHYSICO-CHEMICAL SPECIFICATION

Test	Specification	Representative Result
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Irones (GC)	Approximately 20%	20.2%
Refractive Index (20 °C)	1.445–1.455	1.449
Relative Density (20 °C)	0.920–0.970	0.944
Flash Point	>100 °C	112 °C
Water Solubility	Insoluble	Conforms
Solubility in Ethanol	Soluble	Conforms

REPRESENTATIVE COMPOSITION

Constituent	Status
α-Irone	Major
β-Irone	Major
γ-Irone	Minor
Fatty Acid Derivatives	Naturally occurring
Natural Ketones	Naturally occurring
Long-chain Hydrocarbons	Naturally occurring

QUALITY STATUS

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

STORAGE

Store tightly closed between 15–25 °C, protected from light, air and heat.

SHELF LIFE

24 months when stored under recommended conditions.

AUTHORISED BY

Fozia Khot
Director
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