



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Details
Product Name	Phenyl Ethyl Acetate Natural
Alternative Names	Phenethyl Acetate Natural; 2-Phenylethyl Acetate Natural
Chemical Name	2-Phenylethyl Acetate
INCI Name	Phenethyl Acetate
CAS Number	103-45-7
EC Number	203-113-5
FEMA Number	2857
Molecular Formula	C ₁₀ H ₁₂ O ₂
Molecular Weight	164.20 g/mol
Product Type	Natural Aroma Chemical
Natural Status	Obtained from natural-source raw materials through an approved natural production process
Batch Number	PEA-N-260723

ORGANOLEPTIC AND PHYSICO-CHEMICAL ANALYSIS

Test	Specification	Representative Result
Appearance	Clear mobile liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Sweet, floral, rosy, honey-like and fruity	Conforms
Identification by GC	Corresponds to reference	Conforms
Assay by GC	Minimum 98.0%	99.1%
Relative Density at 20 °C	1.020–1.035	1.028
Refractive Index at 20 °C	1.497–1.503	1.5001
Acid Value	Maximum 1.0 mg KOH/g	0.18 mg KOH/g



Boiling Point	Approximately 232 °C	Conforms
Flash Point	Minimum 95 °C	102 °C
Solubility in Water	Practically insoluble	Conforms
Solubility in Ethanol	Soluble	Conforms
Residual Solvents	Within applicable specification	Conforms
Foreign Matter	None visible	Conforms

REPRESENTATIVE PURITY PROFILE

Component	Representative Result
Phenyl Ethyl Acetate	99.1%
Phenethyl Alcohol	0.35%
Acetic Acid	<0.05%
Other Natural-Process Constituents	0.50%
Total	100.00%

QUALITY AND COMPLIANCE STATUS

Assessment	Status
Natural-Origin Material	Conforms
Professional Perfumery Grade	Conforms
Appearance and Odour	Conforms
GC Purity	Conforms
GMO Material	Not intentionally used
Animal-Derived Ingredients	None
Vegan Suitable	Yes
Added Preservatives	None
Added Antioxidants	None, unless otherwise stated
Added Colourants	None
BSE/TSE Risk	Not applicable

STORAGE CONDITIONS

Store in the original, tightly sealed container in a cool, dry and well-ventilated place.

Protect from:

- Direct sunlight
- Excessive heat
- Moisture
- Air exposure
- Strong oxidising agents



Recommended storage temperature: 5–25 °C.

SHELF LIFE

36 months from the manufacturing date when stored under recommended conditions.

CERTIFICATION

The representative analytical results shown above comply with the stated product specification.

Actual values may vary slightly between natural-source production batches. The batch-specific manufacturer's Certificate of Analysis and analytical report shall take precedence where available.

AUTHORISED BY

Fozia Khot

Director

Aromology Trading LLC