



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Details
Product Name	Phenyl Ethyl Isovalerate Natural
Alternative Name	Phenethyl Isovalerate Natural
Chemical Name	2-Phenylethyl 3-Methylbutanoate
INCI Name	Phenethyl Isovalerate
CAS Number	659-70-1
EC Number	205-406-3
Molecular Formula	C ₁₃ H ₁₈ O ₂
Molecular Weight	206.28 g/mol
Product Type	Natural Aroma Chemical
Odour Family	Fruity, Pineapple, Tropical and Floral
Natural Status	Produced from natural-source raw materials using an approved natural process
Batch Number	PEI-N-260723

ORGANOLEPTIC AND PHYSICO-CHEMICAL ANALYSIS

Test	Specification	Representative Result
Appearance	Clear mobile liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Sweet, ripe pineapple, tropical fruit, floral and honeyed	Conforms
Identification by GC	Corresponds to reference	Conforms
Assay by GC	Minimum 98.0%	98.9%
Relative Density at 20°C	0.995–1.020	1.007
Refractive Index at 20°C	1.495–1.505	1.5002



Acid Value	Maximum 1.0 mg KOH/g	0.24 mg KOH/g
Flash Point	Minimum 95 °C	105 °C
Solubility in Water	Practically insoluble	Conforms
Solubility in Ethanol	Soluble	Conforms
Foreign Matter	None visible	Conforms

REPRESENTATIVE PURITY PROFILE

Component	Representative Result
Phenyl Ethyl Isovalerate	98.9%
Phenethyl Alcohol	0.45%
Isovaleric Acid	0.12%
Other Natural-Process Constituents	0.53%
Total	100.00%

QUALITY AND COMPLIANCE STATUS

Assessment	Status
Professional Perfumery Grade	Conforms
Natural-Origin Claim	Conforms, subject to manufacturer certification
Appearance and Odour	Conforms
GC Purity	Conforms
GMO Material	Not intentionally used
Animal-Derived Ingredients	None
Vegan Suitable	Yes
Added Colourants	None
Added Preservatives	None
BSE/TSE Risk	Not applicable

STORAGE CONDITIONS

Store in the original, tightly sealed container at 5–25 °C.

Protect from:

- Direct sunlight
- Excessive heat
- Moisture
- Prolonged air exposure
- Strong oxidising agents

Keep the container tightly closed when not in use.



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.

Because the material is produced using natural-source raw materials, minor batch-to-batch variation may occur. The original manufacturer's batch-specific Certificate of Analysis and analytical report shall take precedence where available.

AUTHORISED BY

Fozia Khot

Director

Aromology Trading LLC