



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Item	Details
Product Name	Hexyl Acetate Natural
Commercial Description	Green Apple & Banana
Chemical Name	Hexyl Acetate
Synonyms	n-Hexyl Acetate; Hexyl Ethanoate
CAS Number	142-92-7
EC Number	205-572-7
FEMA Number	2565
JECFA Number	128
Molecular Formula	$C_8H_{16}O_2$
Molecular Weight	144.21 g/mol
Product Type	Natural Aroma Chemical
Issue Date	18 July 2026

PHYSICAL AND CHEMICAL SPECIFICATIONS

Parameter	Representative Specification	Representative Result	Status
Appearance	Clear liquid	Clear liquid	Pass
Colour	Colourless to pale yellow	Colourless	Pass
Odour	Fresh green apple, banana, pear and fruity	Characteristic	Pass
Assay by GC	Minimum 98.0%	99.1%	Pass
Relative Density at 20°C	0.868–0.875	0.871	Pass
Refractive Index at	1.4070–1.4120	1.4092	Pass



20°C

Boiling Range	168–172°C	Complies	Pass
Acid Value	Maximum 1.0 mg KOH/g	0.20 mg KOH/g	Pass
Water Solubility	Insoluble	Complies	Pass
Alcohol Solubility	Soluble	Complies	Pass
Flash Point	Approximately 60–65°C	Complies	Pass

The identity, molecular weight, fruity physical description, alcohol solubility and water insolubility are consistent with the JECFA specification for Hexyl Acetate.

PURITY AND COMPOSITION

Component	Representative Level
Hexyl Acetate	Minimum 98.0%
Related Natural Volatile Components	Maximum 2.0%
Added Carrier or Diluent	None intentionally added

NATURAL ORIGIN DECLARATION

The material is supplied as a naturally derived aroma chemical. Verification of natural status should be supported by the original producer's manufacturing declaration, traceability records and applicable ISO 16128 or flavour-regulatory documentation.

STORAGE

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

Protect from:

- Heat and ignition sources.
- Direct sunlight.
- Moisture.
- Strong oxidising agents.
- Prolonged exposure to air.

Recommended storage temperature: 10–25°C.



CONCLUSION

The representative material complies with the above specifications and is suitable for professional perfumery and fragrance formulation. Actual batch-specific analytical results and the original producer's Certificate of Analysis shall take precedence.

Authorised by:

Fozia Khot
Director