



CERTIFICATE OF ANALYSIS (COA)

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com
Email: info@aromology.com
Telephone: +971 505197601

PRODUCT INFORMATION

Item	Details
Product Name	Hexyl Butyrate Natural
Commercial Description	Green Apple
Chemical Name	Hexyl Butyrate
Alternative Chemical Name	Hexyl Butanoate
CAS Number	2639-63-6
EC Number	220-136-6
FEMA Number	2568
JECFA Number	153
Council of Europe Number	271
Molecular Formula	$C_{10}H_{20}O_2$
Molecular Weight	172.27 g/mol
Product Type	Natural Aroma Chemical
Issue Date	18 July 2026

ORGANOLEPTIC AND PHYSICAL SPECIFICATIONS

Parameter	Representative Specification	Representative Result	Status
Appearance	Clear liquid	Clear liquid	Pass
Colour	Colourless to pale yellow	Colourless	Pass
Odour	Fresh green apple, fruity, apricot and pineapple-like	Characteristic	Pass
Assay by GC	Minimum 95.0%	98.7%	Pass
Relative Density at 20 °C	0.858–0.869	0.864	Pass



Refractive Index at 20 °C	1.4130–1.4190	1.4162	Pass
Acid Value	Maximum 1.0 mg KOH/g	0.18 mg KOH/g	Pass
Boiling Point	Approximately 208 °C	Complies	Pass
Water Solubility	Practically insoluble	Complies	Pass
Solubility in Ethanol	Soluble	Complies	Pass
Identification	Conforms by IR or GC	Complies	Pass

The representative specification ranges are consistent with the full JECFA specification for Hexyl Butyrate.

REPRESENTATIVE COMPOSITION

Component	Representative Level
Hexyl Butyrate	Minimum 95.0%
Related Natural Volatile Components	Maximum 5.0%
Added Carrier or Diluent	None intentionally added
Added Preservatives	None intentionally added

NATURAL ORIGIN DECLARATION

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

The description "natural" refers to the declared manufacturing origin and does not change the chemical identity of Hexyl Butyrate.

QUALITY DECLARATION

The representative material:

- Conforms to the characteristic identity of Hexyl Butyrate.
 - Meets the representative organoleptic and physical specifications above.
 - Contains no intentionally added carrier oil or fragrance diluent.
 - Is suitable for professional perfumery, flavour and cosmetic formulation.
 - Should be evaluated within the complete intended formulation.
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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 substances.
- Prolonged exposure to air.

Recommended storage temperature: 10–25°C.

CONCLUSION

The representative material complies with the above quality specifications. The actual batch-specific Certificate of Analysis and documentation supplied by the original producer shall take precedence.

Authorised by:

Fozia Khot
Director