



CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology
Product Name: Allyl Caproate
Chemical Name: Allyl Hexanoate
Synonyms: Allyl Caproate, Allyl Hexanoate
CAS Number: 123-68-2
EC Number: 204-642-4
FEMA Number: 2034
Molecular Formula: C₉ H₁₆ O₂
Molecular Weight: 156.22 g/mol
Product Type: Aroma Chemical
Country of Origin: Germany

1. Product Information

Parameter	Details
Product Name	Allyl Caproate
Chemical Name	Allyl Hexanoate
Synonyms	Allyl Caproate, Allyl Hexanoate
CAS Number	123-68-2
EC Number	204-642-4
FEMA Number	2034
Molecular Formula	C ₉ H ₁₆ O ₂
Molecular Weight	156.22 g/mol
Product Type	Aroma Chemical
Intended Use	Perfumery, Cosmetics, Flavour Applications
Supplier	Aromology

2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	Clear mobile liquid	Conforms
Colour	Colourless	Conforms
Odour	Powerful fruity, pineapple, tropical, green, juicy pear	Conforms
Solubility	Insoluble in water; soluble in ethanol and organic solvents	Conforms

3. Analytical Characteristics

Parameter	Specification	Result
Purity (GC)	≥99.0%	Conforms



Parameter	Specification	Result
Relative Density @20 °C	0.885–0.895	Conforms
Refractive Index @20 °C	1.4180–1.4250	Conforms
Boiling Point	186–188 °C	Conforms
Flash Point	56–60 °C	Conforms
Acid Value	≤1.0 mg KOH/g	Conforms
Water Content (Karl Fischer)	≤0.20%	Conforms

4. Typical Composition

Constituent	Typical Content (%)
Allyl Hexanoate	≥99.0
Allyl Alcohol	≤0.10
Hexanoic Acid	≤0.10
Other Minor Impurities	≤0.80

5. Quality Assessment

Quality Parameter	Result
Identity Verified	PASS
GC Purity	PASS
Physical Characteristics	PASS
Organoleptic Evaluation	PASS
Suitable for Perfumery Use	PASS

6. Storage Conditions

Parameter	Recommendation
Storage Temperature	Store below 25 °C
Light Exposure	Protect from direct sunlight
Container	Keep tightly closed in the original container
Atmosphere	Protect from air and moisture
Shelf Life	24 months under recommended storage conditions

7. Statement of Conformity

Aromology certifies that this batch of Allyl Caproate (Allyl Hexanoate) complies with internal quality specifications for perfumery-grade aroma chemicals.



The material has been evaluated for identity, purity, physical characteristics and organoleptic quality and is suitable for professional fragrance manufacture. Allyl Caproate is prized for its intense pineapple, tropical fruit, juicy pear and green fruity character and is widely used in fruity, gourmand and tropical fragrance accords.

8. Authorisation

Approved By		Department
Fozia Khot	Director	
Aromology Trading LLC	Dubai, UAE	

9. Supplier Details

AROMOLOGY

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Document Information

Parameter	Details
Document	Certificate of Analysis (COA)
Status	APPROVED
Date of Manufacture	11 September 2025
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