



CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology
Product Name: Isomuscone (Cyclohexadecanone)
Chemical Name: Cyclohexadecanone
CAS Number: 2550-52-9
EC Number: 438-930-8
Product Type: Aroma Chemical (Macrocyclic Musk)
Country of Origin: Spain

1. Product Information

Parameter	Details
Product Name	Isomuscone (Cyclohexadecanone)
Chemical Name	Cyclohexadecanone
CAS Number	2550-52-9
EC Number	438-930-8
Product Type	Aroma Chemical (Macrocyclic Musk)
Intended Use	Perfumery, Cosmetics, Aromatics
Supplier	Aromology

2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	White crystalline solid	Conforms
Colour	White to off-white	Conforms
Odour	Clean, musky, warm, powdery, animalic characteristic	Conforms
Solubility	Soluble in alcohol and perfumery solvents; insoluble in water	Conforms

3. Typical Analytical Characteristics

Parameter	Typical Range	Result
Purity (GC)	≥99.0%	Conforms
Melting Point	36–40 °C	Conforms
Flash Point	≥140 °C	Conforms
Relative Density (Molten @40 °C)	0.920–0.940	Conforms

4. Major Constituents (Typical)

Constituent	Typical Range (%)
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Constituent	Typical Range (%)
Cyclohexadecanone	≥99.0
Related Macrocyclic Ketones	≤1.0

Minor variations between production batches are normal and remain within specification.

5. Quality Assessment

Quality Parameter	Result
Identity Verified	PASS
Organoleptic Evaluation	PASS
Purity by GC	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 sealed in original container
Shelf Life	24 months under recommended storage conditions

7. Statement of Conformity

Aromology certifies that this batch of **Isomuscone (Cyclohexadecanone)** conforms to internal quality specifications for perfumery raw materials and has been evaluated for identity, purity, appearance and organoleptic characteristics.

This material is suitable for use in fragrance, cosmetic and aromatic applications when handled and stored under the recommended conditions.

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 June 2025
Date of Expiry	11 June 2027
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