

CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology

Product Name: Aldehyde C-18

Chemical Name: γ -Nonalactone (Gamma-Nonalactone)

INCI Name: Nonalactone

CAS Number: 104-61-0

EC Number: 203-219-1

Product Type: Aroma Chemical

Country of Origin: Spain

1. Product Information

Parameter	Details
Product Name	Aldehyde C-18
Chemical Name	γ -Nonalactone (Gamma-Nonalactone)
INCI Name	Nonalactone
CAS Number	104-61-0
EC Number	203-219-1
Product Type	Aroma Chemical
Chemical Formula	$C_9H_{16}O_2$
Molecular Weight	156.22 g/mol
Intended Use	Perfumery, Cosmetics, Aromatics
Supplier	Aromology

2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	Clear, colourless to pale yellow liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Sweet, creamy, coconut, peach, milky, fruity	Conforms
Solubility	Slightly soluble in water; soluble in alcohol and perfumery solvents	Conforms

3. Typical Analytical Characteristics

Parameter	Typical Range	Result
Specific Gravity @20°C	0.975 – 0.985	Conforms
Refractive Index @20°C	1.448 – 1.453	Conforms
Boiling Point	268 – 272°C	Conforms
Flash Point	>100°C	Conforms
Purity (GC)	≥99.0%	Conforms

4. Major Constituent

Constituent	Typical Content (%)
γ -Nonalactone	≥99.0

5. Quality Assessment

Quality Parameter	Result
Chemical Identity Verified	PASS
Organoleptic Evaluation	PASS
Appearance	PASS
Purity (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 the original container
Shelf Life	24 Months under recommended storage conditions

7. Statement of Conformity

Aromology certifies that this batch of Aldehyde C-18 (γ -Nonalactone) conforms to internal quality specifications for perfumery aroma chemicals and has been evaluated for identity, appearance, organoleptic characteristics, and analytical quality.

This material is suitable for use in professional fragrance, cosmetic, personal care, and aromatic applications and is manufactured in accordance with accepted quality standards. The CAS number (104-61-0), EC number (203-219-1), and chemical identity correspond to γ -Nonalactone.

8. Authorisation

Approved By	Department
Fozia Khot	Director

Aromology Trading LLC
Dubai, United Arab Emirates

9. Supplier Details

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Document Information

Parameter	Details
Document	Certificate of Analysis (COA)
Status	APPROVED
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