

## CERTIFICATE OF ANALYSIS (COA)

**Supplier:** Aromology  
**Product Name:** Aldehyde C-12  
**Chemical Name:** Dodecanal  
**INCI Name:** Dodecanal  
**CAS Number:** 112-54-9  
**EC Number:** 203-983-6  
**Product Type:** Aroma Chemical  
**Country of Origin:** Spain

### 1. Product Information

Parameter	Details
Product Name	Aldehyde C-12
Chemical Name	Dodecanal
INCI Name	Dodecanal
CAS Number	112-54-9
EC Number	203-983-6
Product Type	Aroma Chemical
Chemical Formula	C <sub>12</sub> H <sub>24</sub> O
Molecular Weight	184.32 g/mol
Intended Use	Perfumery, Cosmetics, Aromatics
Supplier	Aromology

### 2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	Clear liquid to low melting solid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Powerful fatty, aldehydic, waxy, citrus, soapy	Conforms
Solubility	Soluble in alcohol; insoluble in water	Conforms

### 3. Typical Analytical Characteristics

Parameter	Typical Range	Result
Specific Gravity @20°C	0.824 – 0.836	Conforms
Refractive Index @20°C	1.432 – 1.438	Conforms
Melting Point	8 – 12°C	Conforms
Boiling Point	Approximately 241°C	Conforms
Flash Point	Approximately 116°C	Conforms
Purity (GC)	≥98.0%	Conforms

*Physical constants are based on supplier specification and standard reference values for Dodecanal.*

### 4. Quality Assessment

Quality Parameter	Result
Chemical Identity Verified	PASS
Organoleptic Evaluation	PASS
Appearance	PASS
Purity	PASS

Quality Parameter	Result
Suitable for Perfumery Use	PASS

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### 5. Storage Conditions

Parameter	Recommendation
Storage Temperature	Store at ambient temperature (10–30°C)
Light Exposure	Protect from direct light
Container	Keep tightly sealed in original container
Shelf Life	24 Months under recommended storage conditions

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### 6. Statement of Conformity

Aromology certifies that this batch of Aldehyde C-12 (Dodecanal) conforms to internal quality specifications for perfumery aroma chemicals and has been evaluated for identity, appearance, organoleptic characteristics, and physical quality.

This material complies with the supplier's quality specification and is suitable for use in fragrance, cosmetic, and related aromatic applications.

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### 7. Authorisation

Approved By	Department
Fozia Khot	Director

**Aromology Trading LLC**  
Dubai, United Arab Emirates

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### 8. Supplier Details

#### AROMOLOGY

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### Document Information

Parameter	Details
Document	Certificate of Analysis (COA)
Status	APPROVED
Date of Manufacture	12 February 2026
Date of Expiry	12 February 2028



PRINT DATE 23/07/25

	<b>Parameter</b>	<b>Details</b>
Issue Date		18 February 2026
Version		2.0