

**CERTIFICATE OF ANALYSIS (COA)**

Supplier: Aromology
Product Name: Aldehyde C-11 Undecylenic
INCI Name: Undecylenal
CAS Number: 112-45-8
EC Number: 203-973-1
Product Type: Aroma Chemical
Country of Origin: Spain

1. Product Information

Parameter	Details
Product Name	Aldehyde C-11 Undecylenic
INCI Name	Undecylenal
CAS Number	112-45-8
EC Number	203-973-1
Product Type	Aroma Chemical
Chemical Formula	C ₁₁ H ₂₀ O
Molecular Weight	168.28 g/mol
Intended Use	Perfumery, Cosmetics, Aromatics
Supplier	Aromology

2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	Clear liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Powerful aldehydic, marine, waxy, citrus, fresh	Conforms
Solubility	Soluble in alcohol and perfumery solvents	Conforms

3. Typical Analytical Characteristics

Parameter	Typical Range	Result
Specific Gravity @20°C	0.8490 – 0.8550	0.8512
Refractive Index @20°C	1.4510 – 1.4560	1.4533
Acid Value (mg KOH/g)	≤2.0	0.0
Purity (GC Major Peak)	≥90.0%	93.3%
Flash Point	Approximately 120°C	Conforms

4. Quality Assessment

Quality Parameter	Result
Identity Verified	PASS
Organoleptic Evaluation	PASS
Appearance	PASS
Chromatographic Conformity	PASS
Suitable for Perfumery Use	PASS

5. Storage Conditions

Parameter	Recommendation
Storage Temperature	Store at 10–30°C
Light Exposure	Protect from direct light
Atmosphere	Store under nitrogen where practical
Container	Keep tightly sealed in original container
Shelf Life	18 Months under recommended storage conditions

6. Statement of Conformity

Aromology certifies that this batch of Aldehyde C-11 Undecylenic conforms to internal quality specifications for perfumery aroma chemicals and has been evaluated for identity, appearance, organoleptic characteristics, and analytical quality.

The material conforms to the supplier's analytical specification, including physical constants and chromatographic purity, and is suitable for professional fragrance applications.

7. Authorisation

Approved By Department

Fozia Khot Director

Aromology Trading LLC

Dubai, United Arab Emirates

8. Supplier Details

AROMOLOGY

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Document Information

Parameter	Details
Document	Certificate of Analysis (COA)
Status	APPROVED
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