



CERTIFICATE OF ANALYSIS (COA)

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Aldehyde C-11 Undecylenic

PRODUCT INFORMATION

Product Name: Aldehyde C-11 Undecylenic
INCI Name: Undecylenal
CAS Number: 112-45-8
EC Number: 203-973-1

Chemical Formula: $C_{11}H_{20}O$
Molecular Weight: 168.28 g/mol
Product Type: Aroma Chemical

Country of Origin: Spain
Intended Use: Perfumery, Cosmetics, Aromatics

BATCH INFORMATION

Date of Manufacture: 10 November 2025
Date of Expiry: 04 May 2028

The manufacture and expiry dates above are those stated in the supplied certificate.

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



ANALYTICAL SPECIFICATIONS

Test	Specification / 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	≤ 2.0 mg KOH/g	0.0 mg KOH/g
Purity (GC Major Peak)	≥ 90.0%	93.3%
Flash Point	Approximately 120 °C	Conforms

These analytical results are reproduced from the supplied COA.

QUALITY ASSESSMENT

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

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	48 Months Under Recommended Storage Conditions

STATEMENT OF CONFORMITY

Aromology certifies that this batch of Aldehyde C-11 Undecylenic conforms to the established quality specifications for perfumery aroma chemicals.

The material has been evaluated for identity, appearance, organoleptic characteristics and analytical quality. It conforms to the applicable analytical specifications, including physical constants and chromatographic purity, and is suitable for professional fragrance applications.

Authorised by:
Fozia Khot
Director