CERTIFICATE OF ANALYSIS (COA)

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Aldehyde C-18 Natural

Product Identification

Parameter	Details
Product Name	Aldehyde C-18 Natural
INCI Name	Aldehyde C-18 Natural
CAS Number	104-61-0
EC Number	203-219-1
Chemical Formula	C_9 H_{16} O_2
Molecular Weight	156.22 g/mol
Intended Use	Perfumery, Cosmetics, Aromatics

BATCH INFORMATION

Parameter	Details
Batch Number	ARO-C18N-260218
Date of Manufacture	18 February 2026
Best Before Date	18 February 2028

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

AROMOLOGY

TYPICAL ANALYTICAL CHARACTERISTICS

Parameter	Typical Range	Result
Specific Gravity @20°C	0.975 – 0.985	Conforms
Refractive Index @20°C	1.449 – 1.453	Conforms
Boiling Point	Approximately 270°C	Conforms
Flash Point	Approximately 110°C	Conforms
Purity (GC)	≥99.0%	Conforms

MAJOR CONSTITUENTS

Constituent	Typical Content (%)
γ-Nonalactone	≥99.0

QUALITY ASSESSMENT

Quality Parameter	Result
Chemical Identity Verified	PASS
Organoleptic Evaluation	PASS
Appearance	PASS
Purity	PASS
Suitable for Perfumery Use	PASS

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

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 manufactured in accordance with accepted quality standards and is suitable for professional fragrance, cosmetic, personal care, and aromatic applications.

Authorised by:
Fozia Khot
Director