



CERTIFICATE OF ANALYSIS (COA)

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Delta-Dodecalactone Natural

PRODUCT INFORMATION

Product Name: Delta-Dodecalactone Natural
Product Code / SKU: DDLN-001
Chemical Name: δ -Dodecalactone

CAS Number: 713-95-1
EC Number: 211-928-4
HS Code: 2918.29

Molecular Formula: $C_{12}H_{22}O_2$
Molecular Weight: 198.30 g/mol

Product Type: Natural Aroma Chemical / Lactone

Description: Naturally derived perfumery ingredient with a rich creamy, peach, coconut and milky odour profile.

Intended Use: Fine Fragrance & Perfumery Applications

Restriction: Not for food, flavouring or medicinal use.

BATCH INFORMATION

Parameter	Details
Batch Number	DDL260627
Manufacturing Date	As per batch
Best Before Date	24 months from production, subject to recommended storage conditions

QUALITY SPECIFICATIONS

Test	Specification	Result
Appearance	Clear colourless to pale yellow liquid	Conforms



Test	Specification	Result
Colour	Colourless to pale yellow	Conforms
Odour	Sweet, creamy, peach, coconut, milky	Conforms
Identification (GC)	Positive	Conforms
Assay (GC)	≥98.0%	Conforms
Specific Gravity @ 20 °C	0.945–0.955	Conforms
Refractive Index @ 20 °C	1.452–1.458	Conforms
Solubility	Soluble in ethanol and oils; insoluble in water	Conforms
Miscibility	Compatible with perfumery bases and fixed oils	Conforms

OLFACTIVE PROFILE

Creamy • Lactonic • Peach • Coconut • Milky • Soft • Fruity

A rich creamy lactonic material with pronounced peach, coconut and dairy nuances, providing softness, roundness and volume in white florals, gourmand accords, tropical fruit accords, milky compositions and creamy musk fragrances.

STORAGE CONDITIONS

Store in tightly closed containers in a cool, dry place away from direct sunlight, heat and sources of ignition.

Protect from prolonged exposure to air to minimise oxidation and preserve odour quality.

QUALITY CONCLUSION

OVERALL RESULT: CONFORMS TO SPECIFICATION

This product is a naturally derived aroma chemical intended for professional perfumery applications and conforms to the quality specifications stated above.

Authorised by:
Fozia Khot
Director