



CERTIFICATE OF ANALYSIS (COA)

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Triplal®

PRODUCT INFORMATION

Product Name: Triplal®
Manufacturer: IFF
Chemical Name: 2,4-Dimethyl-3-Cyclohexene-1-Carboxaldehyde
CAS Number: 68039-49-6 / 27939-60-2
EC Number: 268-264-1
Molecular Formula: C₉ H₁₄O
Molecular Weight: 138 g/mol
Product Type: Aroma Chemical / Perfumery Raw Material
Olfactive Profile: Green Sparkle • Citrus • Herbal • Aldehydic

QUALITY SPECIFICATIONS

Test / Parameter	Specification	Result
Appearance @ 20 °C	Clear Mobile Liquid	Conforms
Colour	Colourless	Conforms
Odour	Green, Citrus, Herbal, Aldehydic	Conforms
Density @ 20 °C	0.934 – 0.938 g/mL	Conforms
Refractive Index nD20	1.4690 – 1.4745	Conforms
Assay by GC	>99%	Conforms
Isomer 1	19 – 32%	Conforms
Isomer 2	69 – 81%	Conforms
Acid Value	<5 mg KOH/g	Conforms
Solubility in Water	Insoluble	Conforms
Solubility in Ethanol	Soluble	Conforms



These specifications are reported specifically for Triplal® IFF in the available technical specification.

QUALITY CONCLUSION

OVERALL RESULT: CONFORMS

The material conforms to the stated specifications for Triplal® – IFF and is suitable for use as a perfumery raw material.

STORAGE CONDITIONS

Store in tightly closed containers in a cool, dry place protected from light.

For extended storage, protect the material from unnecessary air exposure and purge container headspace with nitrogen where appropriate.

The available Triplal® IFF specification states that the material contains 0.1% tocopherol and recommends that quality be checked before use when stored for more than 12 months.

Authorised by:

Fozia Khot
Directo