



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Specification
Product Name	CLEARWOOD®
Manufacturer	Firmenich (DSM-Firmenich)
Product Type	Biotechnology-Derived Aroma Ingredient
CAS Number	1450625-49-6
EC Number	Not Assigned
Origin	White Biotechnology (Fermentation of Sustainable Sugarcane)
Grade	Premium Perfumery Grade

*Depending on the country, DSM-Firmenich identifies CLEARWOOD® using either CAS 1450625-49-6 or CAS 84238-39-1.

ANALYTICAL SPECIFICATION

Test	Specification	Result
Appearance	Clear liquid	Conforms
Colour	Colourless to Pale Yellow	Conforms
Odour	Soft woody, patchouli-like, creamy amber, clean	Conforms
Relative Density (20 °C)	Manufacturer Specification	Conforms
Refractive Index (20 °C)	Manufacturer Specification	Conforms
Flash Point	>100 °C	Conforms
Solubility	Soluble in ethanol and perfumery solvents	Conforms
Purity	Perfumery Grade	Conforms



Typical Characteristics

Property	Status
Renewable Carbon	100%
Readily Biodegradable	Yes
White Biotechnology Produced	Yes
Patchouli Character	Strong
Amber Character	Present

Storage

Store tightly closed in a cool, dry, well-ventilated place away from heat, direct sunlight and oxidising agents.

Shelf Life

24 months from the date of manufacture under recommended storage conditions.

Conclusion

This material conforms to Aromology's quality specifications for CLEARWOOD® (Firmenich) and is suitable for professional perfumery applications.

Batch Number: CLW-260710

Manufacturing Date: 08 May 2026

Retest Date: 08 May 2028

Issue Date: 10 July 2026

Prepared and Authorised By:

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