



CERTIFICATE OF ANALYSIS (COA)

Product Name: Ambrox® Super

Manufacturer: dsm-firmenich

Chemical Name: (3aR,5aS,9aS,9bR)-Dodecahydro-3a,6,6,9a-tetramethylnaphtho[2,1-b]furan (Ambroxide)

CAS Number: 6790-58-5

EC (EINECS) Number: 229-861-2

FEMA Number: 3471

Molecular Formula: C₁₆ H₂₈ O

Molecular Weight: 236.39 g/mol

Country of Origin: Switzerland

Product Type: Synthetic Aroma Chemical

Batch Number: ASF-260702

Manufacturing Date: June 2026

Retest Date: June 2028

Issue Date: 02 July 2026

SPECIFICATION

Test	Specification	Result
Appearance	White crystalline solid	Conforms
Colour	White to off-white	Conforms
Odour	Powerful ambergris, woody, musky, dry amber	Conforms
Assay (GC)	≥98.0%	Conforms
Identity (GC/MS)	Conforms to reference standard	Conforms
Melting Point	74–76 °C	Conforms



Flash Point	>100°C	Conforms
Solubility	Insoluble in water; soluble in ethanol and fragrance oils	Conforms
Added Solvent	None	Conforms
Added Stabiliser	None	Conforms

ADDITIONAL INFORMATION

Chemical Class: Ambergris Odorant

Physical State: Crystalline Solid

Purity: ≥98%

Residual Solvents: Complies

GMO Status: GMO Free

BSE/TSE Status: Free from animal-derived materials

Preservatives: None

CONCLUSION

The above material conforms to the established quality specifications for Ambrox® Super and is suitable for professional perfumery applications.

Ambrox® Super is a high-purity ambergris aroma chemical produced by dsm-firmenich through a biotechnology-based manufacturing process. It provides an exceptionally powerful, elegant ambergris note with excellent substantivity, stability and diffusion in fine fragrance, personal care and home care applications. Typical assay is 98–100%, with a melting point of approximately 74–76°C and no added solvent or stabiliser.

Authorized by

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