



CERTIFICATE OF ANALYSIS (COA)

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Pyranol® – BASF

PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Pyranol®
Manufacturer	BASF
Chemical Name	Tetrahydro-2-isobutyl-4-methylpyran-4-ol (mixture of cis and trans isomers)
CAS Number	63500-71-0
EC Number	405-040-6
REACH Registration No.	01-2119455547-30-0000
Molecular Formula	C ₁₀ H ₂₀ O ₂
Molecular Weight	172.27 g/mol
Product Type	Aroma Chemical
Batch Number	PYR-260724

The identity of Pyranol® is confirmed by BASF as tetrahydro-2-isobutyl-4-methylpyran-4-ol, supplied as a mixture of cis and trans isomers.

ORGANOLEPTIC PROPERTIES

Test	Specification	Result
Appearance	Clear liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Fresh floral, muguet, soft green	Conforms

PHYSICOCHEMICAL ANALYSIS



Parameter	Specification	Representative Result
Purity (GC)	≥98.0%	99.2%
Relative Density (20 °C)	0.948–0.955	0.951
Refractive Index (20 °C)	1.4550–1.4600	1.4576
Flash Point	Approximately 106 °C	106.5 °C
Water Content	≤0.20%	0.05%

BASF technical information specifies a minimum GC purity of 98% and a flash point of approximately 106 °C.

ISOMER COMPOSITION

Parameter	Representative Result
Cis Isomer	79.4%
Trans Isomer	20.6%

QUALITY ASSESSMENT

- Identity (GC/MS): Conforms
- Purity: Conforms
- Appearance: Conforms
- Odour: Conforms
- Moisture: Conforms
- Professional Perfumery Grade: Conforms

STORAGE

Store tightly closed in the original container at 15–25 °C, protected from heat, moisture and direct sunlight.

CONCLUSION

The representative batch complies with the quality specifications for Pyranol® (BASF) intended for professional fragrance manufacture.

AUTHORISED BY

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