



CERTIFICATE OF ANALYSIS (COA)

Product Information

Parameter	Specification
Product Name	Benzaldehyde Natural
Chemical Name	Benzaldehyde
INCI Name	Benzaldehyde
EU CAS Number	100-52-7
EC Number	202-860-4
Molecular Formula	C ₇ H ₆ O
Molecular Weight	106.12 g/mol
Origin	Natural (from Bitter Almond, Apricot Kernel or Cassia Source)
Production Method	Natural Isolation
Grade	Perfumery Grade
Product Type	Natural Aroma Isolate

ANALYTICAL SPECIFICATION

Test	Specification	Result
Appearance	Clear mobile liquid	Conforms
Colour	Colourless to Pale Yellow	Conforms
Odour	Sweet almond, cherry, marzipan, slightly spicy	Conforms
Purity (GC)	≥99.0%	Conforms
Relative Density (20 °C)	1.040–1.050	Conforms
Refractive Index (20 °C)	1.543–1.548	Conforms
Assay (GC)	≥99.0%	Conforms
Acid Value	≤2.0 mg KOH/g	Conforms
Moisture	≤0.20%	Conforms
Flash Point	64–66 °C	Conforms
Solubility	Soluble in ethanol	Conforms

Identification

Parameter	Result
GC-MS Identity	Conforms
Natural Origin Verification	Conforms



Storage

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

Shelf Life

24 months from the date of manufacture when stored under recommended conditions.

Conclusion

The above product complies with the established quality specifications for Natural Benzaldehyde and is suitable for professional perfumery, flavour and fragrance applications.

Prepared By:

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