



CERTIFICATE OF ANALYSIS (COA)

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Natural Propionaldehyde

Product Identification

Parameter	Details
Product Name	Natural Propionaldehyde
Chemical Name	Propanal (Propionaldehyde)
Synonyms	Propionic Aldehyde, Methylacetaldehyde
INCI Name	Propanal
CAS Number	123-38-6
EC Number	204-623-0
FEMA Number	2923
Molecular Formula	C_3H_6O
Molecular Weight	58.08 g/mol
Product Type	Natural Aroma Chemical
Batch Number	NPA-260722

Organoleptic Properties

Test	Specification	Representative Result
Appearance	Clear, colourless liquid	Conforms
Colour	Colourless	Conforms
Odour	Fresh, fruity, cranberry-like, aldehydic	Conforms
Identity	GC Reference Standard	Conforms

Physico-Chemical Properties

Test	Specification	Representative Result
Assay (GC)	$\geq 99.0\%$	99.5%
Relative Density (20 °C)	0.803–0.807	0.805



Refractive Index (20 °C)	1.362–1.366	1.364
Boiling Point	48–50 °C	49 °C
Flash Point	Approximately -9 °C	-9 °C
Water Content	≤0.20%	0.04%

Purity

Assessment	Status
Purity	≥99%
Added Solvents	None
Preservatives	None
Artificial Colours	None
Adulteration	None detected

Storage

Store under refrigeration (2–8 °C) in tightly closed containers, protected from heat, air, light and strong oxidising agents.

Conclusion

This material conforms to Aromology Trading LLC's representative specification for Natural Propionaldehyd.

Authorised by

Fozia Khot
Director
Aromology Trading LLC