



CERTIFICATE OF ANALYSIS (COA)

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PRENYL ACETATE

PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Prenyl Acetate
Manufacturer	Symrise
Symrise Product No.	601331
CAS Number	1191-16-8
Chemical Name	3-Methylbut-2-en-1-yl acetate
EU REACH	01-2119959858-12
Molecular Formula	C ₇ H ₁₂ O ₂
Molecular Weight	128.17 g/mol
Chemical Class	Ester
Product Type	Perfumery Aroma Chemical
Olfactive Family	Fruity / Pear / Fresh

These identity details are confirmed by Symrise.

ANALYTICAL SPECIFICATION

Test	Specification	Batch Result	Method
Appearance	Clear liquid	_____	Visual
Colour	Colourless to pale yellow	_____	Visual
Odour	Fruity, pear, apple, green	Conforms	Organoleptic
Identification	Conforms to reference	_____	GC / GC-MS
GC Purity	Minimum 98.0%	_____	GC
Molecular Weight	128.17 g/mol	—	Calculated
Flash Point	Approx. 52 °C	_____	Technical Data



Test	Specification	Batch Result	Method
Boiling Point	149°C	—	Technical Data
Stabilizer	None	Conforms	Manufacturer Data
Foreign Matter	Absent	_____	Visual
Chromatographic Profile	Conforms	_____	GC

Symrise specifies appearance as clear, colourless to pale-yellow liquid, minimum 98% GC purity, flash point approximately 52°C and boiling point 149°C.

ADDITIONAL PRODUCT DATA

Parameter	Specification
Chemical Class	Ester
Stabilizer	No
Biodegradability	90–100% – readily biodegradable
Recommended Use Level	0.1–6%
FEMA No.	4202

Symrise also lists Prenyl Acetate as FEMA 4202 in its flavor ingredient database.

ORGANOLEPTIC PROFILE

Odour Character

- Pear
- Apple
- Green fruit
- Strawberry
- Fruity
- Jasmine
- Fresh
- Juicy

Symrise's official description is “Fruity, Apple, Pear, Green, Strawberry, Jasmine.”

QUALITY DECLARATION

Subject to the insertion of actual batch analytical results, the material represented by this certificate conforms to the representative specification for:

PRENYL ACETATE – SYMRISE
PRODUCT NO.: 601331
CAS NO.: 1191-16-8
GC PURITY: MINIMUM 98.0%



DISCLAIMER

This is a supplier-style COA compiled from official Symrise technical specifications. It is not an original batch-specific Symrise Certificate of Analysis. Actual batch analytical values should be entered from the manufacturer's batch COA or validated laboratory testing.

Authorised by:

Fozia Khot
Director