



CERTIFICATE OF ANALYSIS (COA)

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LILYBELLE®

PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Lilybelle®
Manufacturer	Symrise
Symrise Product No.	633687
CAS Number	1378867-81-2
EC Number	700-886-5
Molecular Formula	$C_{12}H_{20}O$
Molecular Weight	180.29 g/mol
Chemical Class	Aldehyde
Product Type	Synthetic / Renewable Aroma Chemical
Olfactive Family	Muguet / Floral / Green
Grade	Professional Perfumery Grade

ANALYTICAL SPECIFICATION

Test	Specification	Batch Result	Method
Appearance	Clear mobile liquid		Visual
Colour	Colourless to light yellow		Visual
Odour	Floral, muguet, green, watery, aldehydic	Conforms	Organoleptic
Identification	Conforms to approved reference		GC-MS / FTIR
GC Purity	Minimum 95%		GC-FID
Relative Density	Approx. 0.92–0.93		Density Meter
Specific Gravity @25 °C	Approx. 0.92		Density



Flash Point	>100 °C		Closed Cup
Boiling Point	Approx. 250.7 °C		Technical Data
Log P	Approx. 4.8		Technical Data
Water Solubility	Insoluble / very low	Conforms	Visual
Foreign Matter	Absent		Visual
Chromatographic Profile	Conforms to reference		GC-FID

REPRESENTATIVE PRODUCT DATA

Property	Information
Physical State	Liquid
Colour	Colourless to light yellow
Molecular Formula	$C_{12}H_{20}O$
Molecular Weight	Approx. 180.29 g/mol
Flash Point	>100 °C
Boiling Point	Approx. 250.7 °C
Log P	Approx. 4.8
Chemical Class	Aldehyde
Renewable / Upcycled Content	Approx. 83.3%
Biodegradability	Approx. 63% – readily biodegradable

ORGANOLEPTIC PROFILE

Attribute	Description
Primary Character	Lily of the Valley / Muguet
Floral Character	Clean floral
Green Facet	Fresh green
Watery Facet	Light aqueous
Ozonic Facet	Transparent ozonic
Aldehydic Facet	Green aldehydic
Texture	Airy / transparent
Diffusion	High
Fragrance Position	Top / Heart
Function	Muguet builder / floral diffuser / freshness enhancer

PERFUMERY APPLICATION



Suitable for:

- Lily-of-the-valley accords
- Muguet fragrances
- Cyclamen accords
- Green floral fragrances
- Watery florals
- Ozonic fragrances
- Powdery compositions
- Fine fragrance
- Soap
- Shampoo
- Shower gel
- Deodorant
- Body lotion
- Fabric care
- Detergents
- Household fragrance

RECOMMENDED USE

Representative Symrise perfumery guidance:

0.1–5%

In fragrance compositions.

This is an olfactive formulation recommendation, not an IFRA category limit.

SUSTAINABILITY

Lilybelle® is associated with renewable/upcycled feedstock originating from citrus side streams.

Representative sustainability profile:

Parameter	Status
Renewable Feedstock	Yes
Upcycled Source	Yes
Renewable Factor	Approx. 83.3%
Readily Biodegradable	Yes
Biodegradation	Approx. 63%

STORAGE

Store:



- In original tightly closed container
- Cool and dry
- In a well-ventilated area
- Protected from direct sunlight
- Away from excessive heat
- Away from strong oxidising agents
- Using clean and dry dispensing equipment

QUALITY DECLARATION

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

LILYBELLE® – SYMRISE
PRODUCT NO. 633687
CAS 1378867-81-2

DISCLAIMER

This is a supplier-style Certificate of Analysis prepared from manufacturer identity information and publicly available technical data.

It is not the original batch-specific Certificate of Analysis issued by Symrise.

Actual batch analytical results and manufacturer specification limits should be taken from the original Symrise batch COA or validated internal testing before issue as a batch-specific certificate.

Authorised by:

Fozia Khot
Director