



CERTIFICATE OF ANALYSIS (COA)

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GLOBALIDE®

PRODUCT IDENTIFICATION

Parameter	Details
Product	Globalide®
Manufacturer	Symrise
Symrise Product No.	106114
Generic Name	Musk Decenone
CAS Number	34902-57-3
Principal Isomer CAS	111879-80-2
EC Number	422-320-3
Molecular Formula	C ₁₅ H ₂₆ O ₂
Molecular Weight	238.37 g/mol
Chemical Family	Macrocyclic Lactone Musk
Grade	Professional Perfumery Grade

Symrise currently lists Globalide® as Product No. 106114, CAS 34902-57-3.

ANALYTICAL SPECIFICATION

Test	Representative Specification	Batch Result	Method
Appearance	Clear mobile liquid		Visual
Colour	Colourless to pale yellow		Visual
Odour	Clean, fresh, woody, powdery musk	Conforms	Organoleptic
Identification	Conforms to approved reference		GC-MS / FTIR
Relative Density at 20 °C	0.9600–0.9690		Density Meter
Melting Point	Approx. -46 °C		OECD 102
Boiling Point	Approx. 333 °C		OECD 103



Flash Point	>100 °C		Closed Cup
Water Solubility at 20 °C	Approx. 0.969 mg/L		OECD 105
Log Pow	Approx. 5.45		OECD 117
GC Profile	Conforms to manufacturer reference		GC-FID
Foreign Matter	Absent		Visual

The density, thermal and solubility values are reported in the Symrise SDS.

REPRESENTATIVE COMPOSITION

Globalide® is a macrocyclic musk material based principally on unsaturated oxacyclohexadecenone isomers.

Component / Identity	Status
Oxacyclohexadecen-2-one / Musk Decenone	Principal commercial substance
(12E)-Oxacyclohexadec-12-en-2-one	Principal identified isomer
Related macrocyclic-lactone isomers	May be present within specification
Carrier / Diluent	None expected for neat Globalide
Added Colour	None expected

The Symrise SDS specifically identifies the principal chemical as (12E)-Oxacyclohexadec-12-en-2-one.

ORGANOLEPTIC PROFILE

Attribute	Description
Primary Character	Clean musk
Secondary Character	Fresh, dry woody musk
Additional Facets	Fruity, waxy, powdery, slightly metallic
Diffusion	Strong
Substantivity	Very high
Fragrance Position	Base note
Function	Musk builder, fixative, diffuser

PERFORMANCE

Globalide® performs particularly well in:

- Fine fragrance
- Floral compositions
- Fruity musks
- Laundry fragrances



- Shampoo
- Soap
- Body lotion
- Detergents
- Fabric-care compositions
- Powder products

Public Symrise technical descriptions report good stability in body lotion and shampoo and very good stability in soap and detergent-type applications.

SUSTAINABILITY

Parameter	Status
Ready Biodegradability	Yes
Biodegradation	97% / 28 days
OECD Test	301F
PBT	No
vPvB	No

STORAGE

Store:

- In the original tightly closed container
- Cool and dry
- Well ventilated
- Protected from unnecessary heat
- Away from direct sunlight
- Away from incompatible chemicals

QUALITY DECLARATION

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

GLOBALIDE® – SYMRISE

Product No. 106114

DISCLAIMER

This is a supplier-style Certificate of Analysis prepared from published Symrise Globalide® technical and safety information.

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



Actual batch values and manufacturer acceptance limits should be copied from the current original Symrise COA before the document is represented as a batch-specific analytical certificate.

Authorised by:

Fozia Khot
Director