



CERTIFICATE OF ANALYSIS (COA)

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MANDARIL

PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Mandaril
Manufacturer	Symrise
Symrise Product No.	600135
CAS Numbers	124358-45-8
REACH Registration	01-0000016870-69
Molecular Formula	C13H21N
Molecular Weight	191.3 g/mol
Chemical Class	Nitrile
Product Type	Perfumery Aroma Chemical

These identifiers are directly supported by Symrise.

ANALYTICAL SPECIFICATION

Test	Specification	Batch Result
Appearance	Clear, light yellow to yellow liquid	_____
Odour	Citrus, mandarin, orange, coriander leaf	Conforms
Identification	Conforms to reference	_____
GC Purity	≥95.0% – sum of isomers	_____
Molecular Weight	191.3 g/mol	—
Flash Point	>100 °C	_____
Boiling Point	296.4 °C	_____
Log P (Kow)	4.91	—
Stabilizer	Present	Conforms



Test	Specification	Batch Result
Occurrence in Nature	No	Conforms
Foreign Matter	Absent	_____
GC Profile	Conforms to reference	_____

These are the official Symrise product-data values.

SUSTAINABILITY DATA

Parameter	Result
Renewable Factor	84.6%
Biodegradability	79.0%
Biodegradability Status	Readily biodegradable

ORGANOLEPTIC PROFILE

Attribute	Description
Primary	Mandarin
Citrus	Orange / juicy citrus
Green	Fresh green
Herbal	Coriander leaf
Character	Powerful, fresh, juicy
Diffusion	High
Tenacity	Excellent
Function	Citrus booster / mandarin enhancer

Symrise describes Mandaril as citrus, mandarin, orange and coriander leaf, noting that it enhances fruity fragrances and boosts juicy mandarin/orange notes.

RECOMMENDED USE

0.01–2.0% in the fragrance composition

This is Symrise perfumery guidance, not an IFRA maximum.

QUALITY DECLARATION

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

MANDARIL – SYMRISE
PRODUCT NO. 600135



GC PURITY: MINIMUM 95% – SUM OF ISOMERS

DISCLAIMER

This is a supplier-style COA based on official Symrise technical specifications. It is not the original Symrise batch COA. Actual batch results should be completed from the manufacturer certificate or validated analytical testing.

Authorised by:

Fozia Khot
Director