



CERTIFICATE OF ANALYSIS (COA)

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CLARITONE®

PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Claritone®
Manufacturer	Symrise
Symrise Product No.	600285
Chemical Name	2,4,4,7-Tetramethyloct-6-en-3-one
CAS Number	74338-72-0
REACH Registration No.	01-0000016903-68
Molecular Formula	C ₁₂ H ₂₂ O
Molecular Weight	182.3 g/mol
Chemical Class	Ketone
Product Type	Perfumery Aroma Chemical
Olfactive Family	Citrus / Fruity / Herbal
Odour Profile	Citrus, Grapefruit, Clary Sage, Grape

ANALYTICAL SPECIFICATION

Test	Specification	Batch Result	Method
Appearance	Clear liquid	_____	Visual
Colour	Colourless	_____	Visual
Odour	Citrus, grapefruit, clary sage, grape	Conforms	Organoleptic
Identification	Conforms to reference	_____	GC / GC-MS
GC Purity	Minimum 97.0% – sum of isomers	_____	GC
Relative Density	Current Symrise specification	_____	Density
Refractive Index	Current Symrise specification	_____	Refractometry



Flash Point	Approx. 83 °C		Closed Cup
Boiling Point	Approx. 213.2 °C		Technical Data
Water Content	Current Symrise specification		Karl Fischer
Chromatographic Profile	Conforms to approved reference		GC
Foreign Matter	Absent		Visual

PHYSICAL AND CHEMICAL DATA

Property	Specification / Information
Physical State	Liquid
Appearance	Clear, colourless
GC Purity	Minimum 97% (sum of isomers)
Molecular Weight	182.3 g/mol
Boiling Point	Approx. 213.2 °C
Flash Point	Approx. 83 °C
Log P (Kow)	Approx. 3.84
Stabilizer	None
Occurrence in Nature	No
Chemical Class	Ketone

ORGANOLEPTIC PROFILE

Attribute	Description
Primary Note	Citrus
Secondary Note	Grapefruit
Herbal Facet	Clary Sage
Fruity Facet	Grape
Special Effect	Sparkling / Champagne-like
Diffusion	High
Fragrance Position	Top to Heart
Function	Freshness booster / Citrus modifier

Claritone® provides a sparkling champagne-like effect and gives a distinctive freshness to citrus-aldehydic accords. It can also produce a natural clary-sage character in fougère fragrances.

RECOMMENDED PERFUMERY USE

Symrise Recommended Use Level:



0.5–10%

This represents olfactive formulation guidance and must not be confused with the IFRA maximum concentration in the finished consumer product.

The applicable IFRA 51 limits may be substantially lower for certain product categories.

STORAGE

Store:

- In the original tightly closed container
- In a cool, dry location
- Protected from direct sunlight
- Away from excessive heat
- Away from ignition sources
- Away from strong oxidising agents
- With minimal exposure to air and moisture

QUALITY DECLARATION

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

CLARITONE® – SYMRISE

Product No. 600285

CAS 74338-72-0

DISCLAIMER

This Certificate of Analysis is a supplier-style document based on published Symrise technical specifications.

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

The GC purity specification of minimum 97% (sum of isomers) and published physical/product information are based on Symrise technical data. Batch-specific analytical results must be entered from the applicable original manufacturer's Certificate of Analysis before the document is represented as batch-specific.

Authorised by:

Fozia Khot
Director