



## CERTIFICATE OF ANALYSIS (COA)

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### LACTOJASMONE

#### PRODUCT IDENTIFICATION

| Parameter         | Details                                |
|-------------------|----------------------------------------|
| Product Name      | Lactojasmone                           |
| Manufacturer      | Symrise                                |
| Product No.       | 660590                                 |
| Chemical Name     | 5-Hexyldihydro-5-methylfuran-2(3H)-one |
| CAS Number        | 7011-83-8                              |
| FEMA Number       | 3786                                   |
| Molecular Formula | $C_{11}H_{20}O_2$                      |
| Molecular Weight  | 184.3 g/mol                            |
| Chemical Class    | Lactone                                |

#### ANALYTICAL SPECIFICATION

| Test                   | Specification                                    | Batch Result |
|------------------------|--------------------------------------------------|--------------|
| Appearance             | Clear liquid                                     | _____        |
| Colour                 | Colourless                                       | _____        |
| Odour                  | Floral, jasmine, lactonic, tuberose, yellow plum | Conforms     |
| Identification         | Conforms to reference                            | _____        |
| GC Purity              | $\geq 98.0\%$                                    | _____        |
| Relative Density D20/4 | 0.943–0.946                                      | _____        |
| Refractive Index n20/D | 1.448–1.452                                      | _____        |
| Flash Point            | $> 100^{\circ}\text{C}$                          | _____        |



| Test           | Specification    | Batch Result |
|----------------|------------------|--------------|
| Boiling Point  | Approx. 289.1 °C | _____        |
| Log P          | 3.02             | _____        |
| Stabilizer     | None             | Conforms     |
| Foreign Matter | Absent           | _____        |
| GC Profile     | Conforms         | _____        |

The  $\geq 98\%$  assay is from Symrise's perfumery and flavour specifications; density 0.943–0.946 and refractive index 1.448–1.452 are directly published by Symrise.

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#### ORGANOLEPTIC PROFILE

| Attribute  | Description                            |
|------------|----------------------------------------|
| Primary    | Creamy Floral                          |
| Floral     | Jasmine / Tuberose                     |
| Lactonic   | Milky, creamy                          |
| Fruity     | Yellow plum                            |
| Supporting | Soft animalic                          |
| Function   | White-floral enrichment and creaminess |

#### RECOMMENDED USE

0.05–3%

This is Symrise perfumery guidance.

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#### QUALITY DECLARATION

Subject to completion of the batch-specific analytical results, the material conforms to the representative specification for:

LACTOJASMONE – SYMRISE  
PRODUCT NO. 660590  
CAS 7011-83-8  
GC PURITY: MINIMUM 98%

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**Disclaimer:** This is a supplier-style COA. It is not the original Symrise batch COA. Blank analytical results must be completed from the manufacturer batch certificate or validated laboratory testing.

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#### Authorised by:

Fozia Khot  
Director