



## CERTIFICATE OF ANALYSIS

Product : **JASMONIC ACID**  
 Product number : J0936  
 Batch number : 018936  
 Date of production : xx-03-2019  
 Date of expiry : 31-03-2026

Packaging and storage : in a well closed container at temperatures between 2 – 8 °C

|  | SPECIFICATION  | RESULT       | UNITS | REMARKS         |
|--|--|--------------|-------|-----------------|
| Appearance   | pale yellow to colourless liquid with characteristic odour | complies     |       |                 |
| TLC (silica - toluene/ethyl-acetate/acetic acid : 50/30/4) |  |              |       |                 |
| - jasmonic acid  | single spot  | 97           | %     | Rf0.58          |
| TLC (silica - chloroform/ethyl-acetate : 9/1)              |  |              |       |                 |
| - jasmonic acid  | single spot  | 97           | %     | Rf0.10          |
| TLC (silica – toluene/ethyl-acetate : 3/2)                 |  |              |       |                 |
| - jasmonic acid  | single spot  | 97           | %     | Rf0.15          |
| GC   |  |              |       |                 |
| - jasmonic acid  |  | 96.9         | %     | Rt 6.46 minutes |
| - methyljasmonate  |  | undetectable | %     | Rt 5.28 minutes |
| HPLC   |  |              |       |                 |
| -jasmonic acid   |  | > 97         | %     |                 |

Spots are visualized on TLC plates by spraying with 5% sulphuric acid in methanol and heating at 120 °C for 5 minutes.

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

Date: 12-12-2024

S. Bayat, MSc, pharmacist  
 Department of Quality Control Duchefa B.V.

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.