

## CERTIFICATE OF ANALYSIS

Product : **JASMONIC ACID**  
 Product number : J0936  
 Batch number : 018135  
 Date of production : xx-03-2019  
 Date of expiry : 31-03-2025

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)	single spot	97	%	Rf 0.58
- jasmonic acid				
TLC (silica - chloroform/ethyl-acetate : 9/1)	single spot	97	%	Rf 0.10
- jasmonic acid				
TLC (silica – toluene/ethyl-acetate : 3/2)	single spot	97	%	Rf 0.15
- jasmonic acid				
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:

Q. de Hoog, MSc, pharmacist  
Department of Quality Control Duchefa B.V.

Date: 22-11-2023

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

Duchefa Biochemie B.V.