ALTRAFLORA
NATURAL EXTRACTS

Date: 07.04.2025

Certificate of Analysis – SFE extracts

Sample information

Sample name: Oregano dust extract

Sample type: Terpene-rich SFE extract

Scientific name: *Origanum onites*

Sample amount: 10 mL (sub-sampled for analysis: 10 µL)

Customer: -

Applied sample preparation and analysis procedures

Analysis date: 06.04.2025

Analyst: Dr. Deniz Can Köseoğlu

Sample preparation:

Dilution in hexane (100×)

Analysis:

Identification of components and their relative abundances via GC-MS (AF-LABGC002)

Additional data processing:

-

Checked and approved by:

Altra Flora Doğal Bitki Ürünleri San. Tic. A.Ş.
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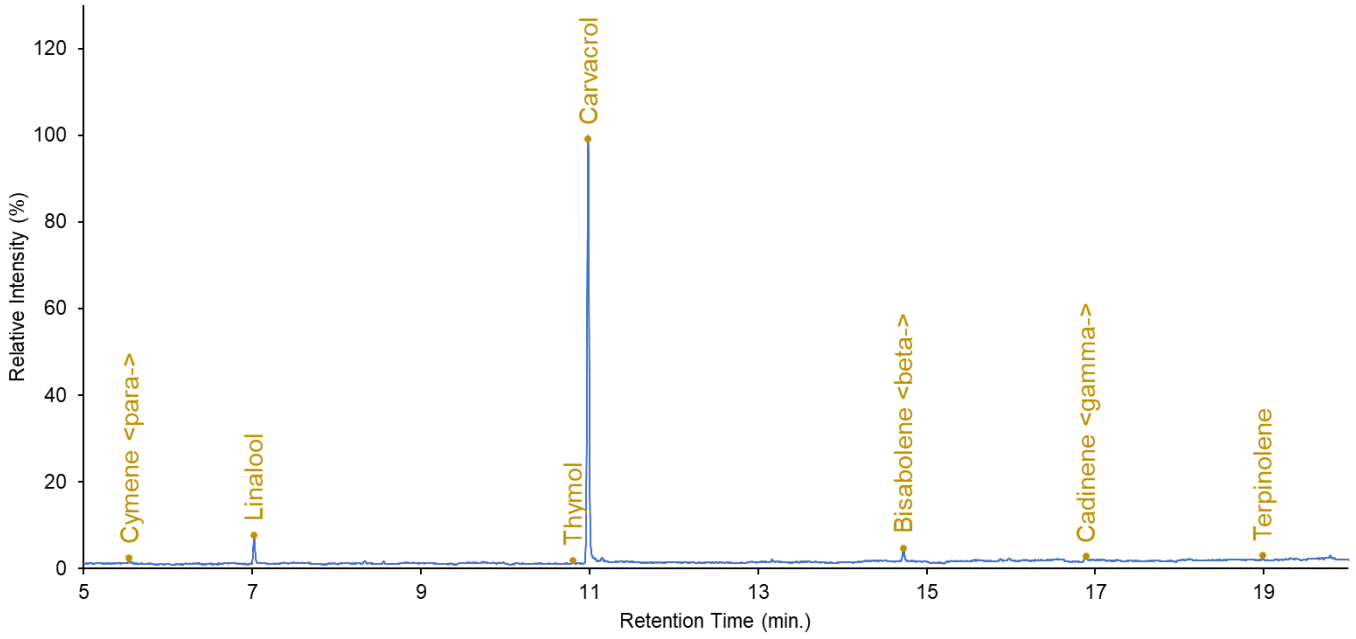
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Identification of constituents and their relative abundances using GC-MS

Name	CAS	Chemical Class	RT* (min)	Amount (%)
Cymene <para->	99-87-6	Monoterpenoid Alkene	5.539	0.81
Linalool	78-70-6	Monoterpenoid Alcohol	7.02	5.57
Thymol	89-83-8	Monoterpenoid Phenol	10.802	0.69
Carvacrol	499-75-2	Monoterpenoid Phenol	10.984	88.34
Bisabolene <beta->	4891-79-6	Sesquiterpene	14.725	2.9
Cadinene <gamma->	38357-83-4	Sesquiterpene	16.889	1.1
Terpinolene	586-62-9	Monoterpene	18.99	0.59
		TOTAL IDENTIFIED (%):		**100.0**

*Retention Time (min)

Chromatogram (GC-MS)



No adulterants, additives, or contaminants were detected in the submitted sample(s) using the applied method(s). The extract displays **>88% carvacrol content** using residual "dust" produced during routine oregano processing.

Supercritical CO2 extract, oregano dust *(Origanum onites)*
This report was prepared for -.

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