



NHR ORGANIC OILS
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Certificate of Analysis & Gas Chromatography
Organic Oregano Essential Oil
(Origanum vulgare)

Product Description

Product name	Oregano essential oil
Product type	Essential oil
Batch number	151025-3
Origin:	Greece

Technical Information

Organoleptic	Result
Aroma	Conforms to standard
Appearance	Conforms to standard
Colour	Conforms to standard

Physical constants at 20^o

Analysis	Method	Result
Refractive Index	USP <831>	1.505
Specific gravity	USP <841>	0.949
Optical rotation	USP <781>	+0.16 ^o

Analysis Method

Gas Chromatography (GC/FID) area % according to normalization method

GC ANALYSIS

<u>Compounds</u>	<u>CAS No</u>	<u>%</u>	<u>Chemical family</u>
Alpha-Pinene	80-56-8	0.47	Monoterpene
Alpha-Thujene	2867-05-2	0.07	
Beta-Pinene	127-91-3	0.20	Monoterpene
Beta-Myrcene	123-35-3	0.77	Monoterpene
Alpha-Terpinene	99-86-5	0.59	Monoterpene
Limonene	599-27-5	0.59	Monoterpene
1,8-Cineole	470-82-6	0.57	Monoterpenic Ether
Gamma-Terpinene	99-85-4	5.08	Monoterpene
Para-Cymene	99-87-6	7.08	Monoterpene
1-Octen-3-ol	3391-86-4	0.23	Aliphatic Alcohol
Camphor	76-22-2	0.27	Monoterpenic Ketone
Linalool	78-70-6	1.94	Monoterpenic Alcohol
CarvacrolMethylEther	6379-73-3	0.09	Aromatic Ether
Terpinen-4-ol	562-74-3	0.36	Monoterpenic Alcohol
Trans-Beta Caryophyllene	87-44-5	2.47	Sesquiterpene
Alpha-Humulene	6753-98-6	0.14	Sesquiterpene
Alpha-Terpineol	98-55-5	0.35	Monoterpenic Alcohol
Borneol	507-70-0	0.55	Monoterpenic Alcohol
Thymol	89-83-8	1.00	Monoterpenic Phenol
Carvacrol	499-75-2	76.06	Monoterpenic Phenol
Camphene	79-92-5	0.05	Monoterpene
Alpha-Phellandrene	99-83-2	0.04	Monoterpene
p-Mentha-1(7),8-diene (Pseudolimonene)	499-97-8	0.04	Monoterpene