



NHR ORGANIC OILS
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Certificate of Analysis & Gas Chromatography
Organic Sweet Marjoram Essential Oil
(Origanum majorana)

PRODUCT NAME: MARJORAM SWEET, ESSENTIAL OIL ORGANIC
BATCH NUMBER: 151223-10
PRODUCT INCI: ORIGANUM MAJORANA LEAF OIL
ORIGIN: EGYPT
CAS NUMBER: 84082-58-6
EINECS NUMBER: 282-004-4

ANALYTICAL DETAILS	RANGE	RESULTS
APPEARANCE	LIQUID	-
COLOUR	YELLOW - GREEN	-
ODOUR	CHARACTERISTIC, SWEET	-
SPECIFIC GRAVITY @ 25°C	0.890 – 0.918	0.894
REFRACTIVE INDEX @ 20°C	1.461 – 1.480	1.473
OPTICAL ROTATION (°C)	-5.0 TO +10.0	+10.0

*The attached information is considered to be correct at the time the client received this information.
Please be aware that detail can change and we encourage clients to update their records with NHR Organic Oils regularly.
The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations.*

COMPONENTS	%
Methyl .alpha.-methylbutyrate	0.02
alpha-Thujene	0.567
.alpha.-Pinene	0.693
Camphene	0.024
Sabinene	8.217
.beta.-Pinene	0.391
Myrcene	1.863
.alpha.-Phellandrene	0.355
alpha-Terpinene	8.423
p-Cymene	1.047
beta-Phellandrene	3.754
cis-.beta.-Ocimene	0.038
.gamma.-Terpinene	13.99
cis-Sabinene hydrate	3.459
Terpinolene	2.899
Linalool	1.228
trans-Sabinene hydrate	17.037
.alpha.-Campholenal	1.375
cis-para-Menth-2-en-1-ol	0.005
.beta.-Terpineol	0.818
Borneol	0.03
Terpinen-4-ol	23.451
.alpha.-Terpineol	3.008
cis-Piperitol	0.341
trans-Piperitol	0.392
Linalyl acetate	2.212
Bornyl acetate	0.023
4-Terpinenyl acetate	0.107
Neryl acetate	0.025
Geranyl acetate	0.036
.beta.-Caryophyllene	2.502
.alpha.-Humulene	0.104
Bicyclogermacrene	1.352

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