NHR ORGANIC OILS
24 CHATHAM PLACE, BRIGHTON, BN1 3TN, UK
+44 (0)1273 746505 info@nhrorganicoils.com www.nhrorganicoils.com

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

Batch number: 250626-10 **Origin:** Egypt

1. IDENTIFICATION DE LA SUBSTANCE/IDENTIFICATION OF THE SUBSTANCE

Nom du produit / Product name:	Huile essentielle de MARJOLAINE A COQUILLE BIO EGYPTE / Essential oil of ORGANIC MARJORAM EGYPT
Législation :	Substance 100% pure et naturelle / Matter 100% pure and natural
Nom botanique / Botanical name	*Origanum majorana* L.

2.CARACTERISTIQUES ORGANOLEPTIQUES ET PHYSIQUES/PHYSICAL AND ORGANOLEPTIC CHARACTERISTICS

CRITÈRES / CRITERIA	RESULTS	SPECIFICATIONS	CONFORMITÉ / CONFORMITY
Densité à 20°C / Density at 20°C	0.885	0.885 – 0.900	Conforme / Compliant
Indice de réfraction à 20 °C /	1.471	1.4700- 14760	Conforme / Compliant
Pouvoir rotatoire à 20 °C / Optical rotation at 20°C	+19.5°	+18°- +26°	Conforme / Compliant

3. ANALYSES CHROMATOGRAPHIQUES / MICROBIOLOGICAL CHARACTERISTIC

CONSTITUANTS / CONSTITUENTS	%
alpha-PINENE	0,77
alpha-THUYENE	1,82
beta-PINENE	0,43
SABINENE	9,07
beta-MYRCENE	2,11
alpha-PHELLANDRENE	1,14
alpha-TERPINENE	10,83
LIMONENE	2,22

1,8-CINEOLE	2,72
beta-PHELLANDRENE	0,15
gamma-TERPINENE	16,99
p-CYMENE	1,54
TERPINOLENE	3,86
Trans-THUYANOL	3,60
Cis-THUYANOL	11,83
LINALOL	
ACETATE DE LINALYLE	1,47
Trans-p-MENTH-2-EN-1-OL	0,72
beta-CARYOPHYLLENE	0,98
TERPINENE-4-OL	22,23
Cis-p-MENTH-2-EN-1-OL	0,46
alpha-TERPINEOL	2,62
BICYCLOGERMACRENE	0,21
CITRONELLOL	0,06
GERANIOL	0,08
Eugenol	nd
Neral	nd