



Living the aromatic experience!
**Divine
Essence**
Vivre l'expérience des arômes!



Date: 2016-05-11
(YYYY-MM-DD / AAAA-MM-JJ)

Certificate of Analysis / *Certificat d'analyse*

Product code / Code du produit: VHE0122B
Batch No. / No. de lot: MP-03-0115
Trade name / Nom commercial: Essential Oil of Basil - Holy / Huile essentielle de basilic sacré
Botanical name / Nom botanique: Ocimum sanctum
INCI name / Nom INCI: OCIMUM SANCTUM LEAF OIL
Use of product / Utilisation: Cosmetics / Cosmétique
Country of origin / Pays d'origine: India / Inde
Certification: Ecocert Canada Organic / Biologique Ecocert Canada

1. Method of production / Méthode d'obtention

Essential Oil obtained by steam distillation of the plant & flower of Ocimum sanctum. / Huile essentielle obtenue par distillation à la vapeur d'eau de la plante et de la fleur d'Ocimum sanctum.

2. Certificate of Purity and Origin / Certificat de pureté et d'origine

- 100% pure and natural without any additive / 100% pur et naturel sans aucun additif
- Certified India origin / Origine Inde certifiée.

3. Organoleptic and Physical Properties / Caractéristiques organoleptiques et physiques

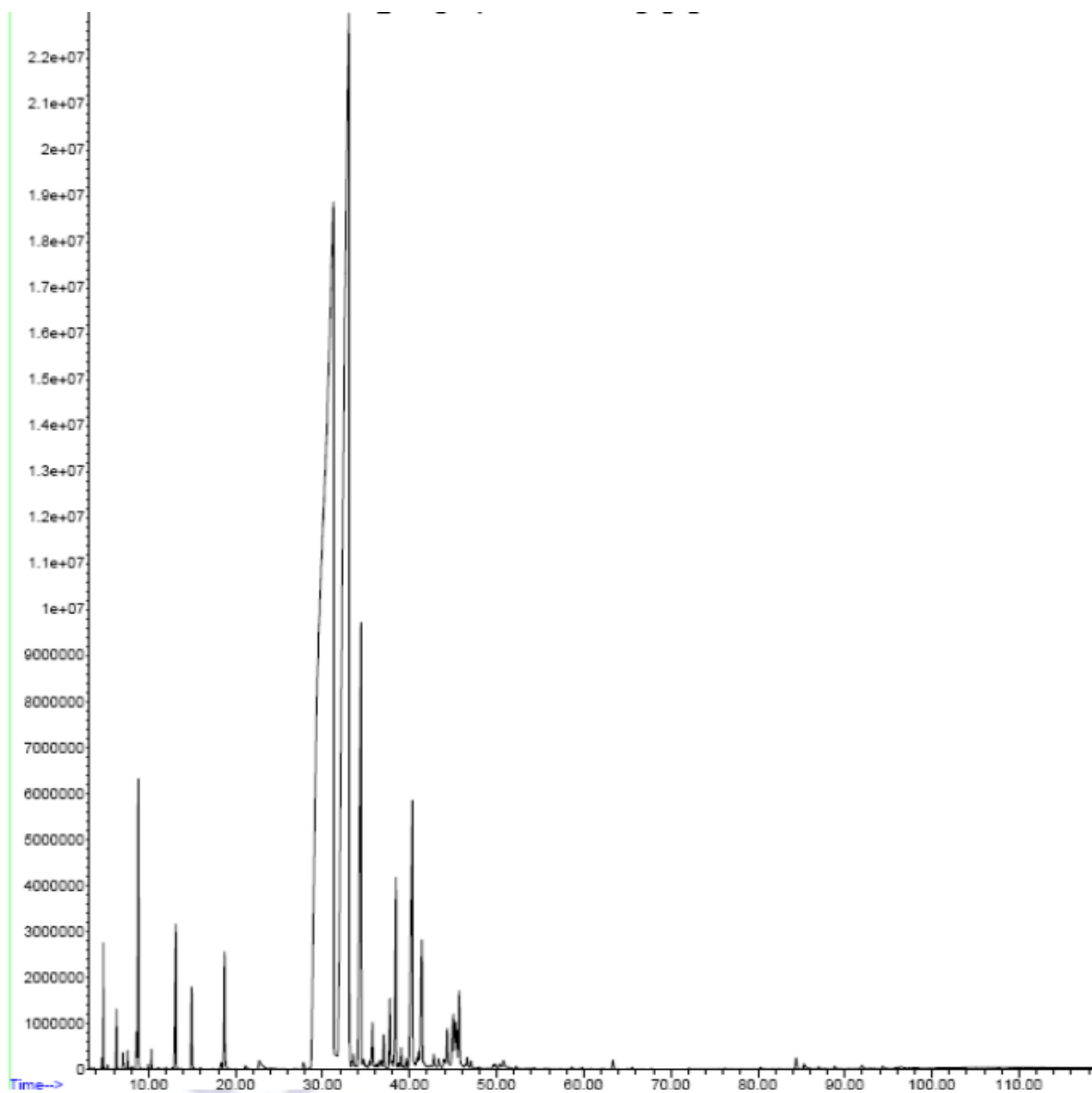
	<u>Requirements / Spécifications</u>	<u>Results / Résultats</u>
Physical appearance / Aspect physique:	Clear mobile liquid / Liquide mobile limpide	Compliant / Conforme
Colour / Couleur:	Colorless to clear yellow / Incolore à jaune clair	Compliant / Conforme
Odor / Odeur:	Herbaceous with hot & spicy notes / Herbacée aux notes chaudes et épicées	Compliant / Conforme
Specific Gravity at 68°F (20°C) / Densité à 20°C:	1,000 to 1,022	Not available / Non disponible
Refractive Index at 68°F (20°C) / Indice de réfraction à 20°C:	Not available / Non disponible	N/A
Optical Rotation at 68°F (20°C) / Pouvoir rotatoire à 20°C:	Not available / Non disponible	N/A

©UNION NATURE AROMA-PHYTO INC. Organic Basil - Holy Essential Oil / Huile essentielle de basilic sacré biologique
Lot MP-07-0039

UNION NATURE Aroma-Phyto inc.
C.P. / P.O. BOX 444, Succ. Mt-Royal Station, Mt-Royal (QC) Canada H3P 3C6
Tél.: (514) 344-7777 - Fax: (514) 344-8111
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4. Analysis Properties / Caractéristiques d'analyse

4.1 Chromatographic Profile / Profil chromatographique



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4.2 Operating Conditions / Conditions opératoires

MS 5970 Column	: HP-5MS 5% Phenyl Methyl Silox : 30 m x 250 µm x 0.25 µm
Oven Program	50 °C for 4 min — 3 °C/min to 230 °C for 4min — 10 °C/min to 280 °C for 7min
Carrier gas	He : 12.348 psi / MS
Sample injection / split	1 µl of 5% solution in solvent
Mass range	35 to 450

4.3 Chromatographic Profile Interpretation / Interprétation du profil chromatographique

RT	Constituents / Constituants	%
4.6268	Thujene <alpha->	0.0265
4.8092	Pinene <alpha->	0.2846
6.3300	Pinene <beta->	0.2122
7.5923	Phellandrene <alpha->	0.0575
8.6150	Cymene <para->	0.1443
8.8355	Eucalyptol	1.1252
10.3335	Terpinene <gamma->	0.0705
13.1242	Linalool	0.7713
14.9491	Camphor	0.3811
18.3405	Terpineol <alpha->	0.0489
18.7359	Estragole	0.6476
21.1349	Citronellol	0.0425
22.7317	Geraniol	0.1538
27.7884	Cubebene <alpha->	0.0569
31.2216	Eugenol	52.3364
33.0085	Caryophyllene <(E)->	30.1647
33.5331	Bergamotene <alpha-, cis->	0.0983
34.4076	Humulene <alpha->	3.8960
34.9931	Bergamotene <beta-, trans->	0.0310
35.9436	Selinene <beta->	0.0221
36.7154	Cubebol	0.0521
37.0234	Muurolene <alpha->	0.2043
37.7115	Cadinene <gamma->	0.3956
37.9282	Cubebene <alpha->	0.0556
38.4149	Cadinene <delta->	1.2065
38.7342	Cadina-1,4-diene <trans->	0.0404

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39.0346	Cadinene <alpha->	0.1168
39.6277	Bisabolene <(Z)-alpha->	0.0744
40.3045	Elemol <alpha->	2.5851
41.4032	Caryophyllene oxide	1.0596
43.3270	Eudesmol <epi-gamma->	0.0975
43.9239	Farnesene <(E)-, beta->	0.1133
44.3117	Eudesmol <gamma->	0.3034
45.0037	Cadina-1(6),4-diene <cis->	0.5016
45.4105	Eudesmol <alpha->	0.4785
45.6880	Cadin-4-en-10-ol	0.5237
47.0416	Elemene <gamma->	0.0674
50.3379	Cinnamaldehyde <4-hydroxy-3-methoxy->	0.0560
91.9542	Isoeugenol <Z->	0.0395
	Total	98.5427

Note: The allergens are identified in bold / *Les allergènes sont identifiés en caractères gras.*

Analysis Date / Date de l'analyse: 2015-12

Seijas

Tomas Seijas, Chemist/Chimiste, OCQ #2003-041

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