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Certificate of Analysis Sheet
Organic Neroli Essential Oil
(Citrus aurantium var. amara)

Version: 25-Mar-16

1) GENERAL INFORMATION

Name: ESSENTIAL OIL NEROLI EGYPT
Batch Number: 171018-4
Botanical source: *Citrus aurantium* L. var. *amara*
Status : Organic EC834/2007, EC889/2008 & 100% Organic USDA-NOP "Final Rule" /
COSMEBIO approved | EG-BIO-140
Dietary certification(s): Halal certified / Kosher certified

2) PHYSICAL PROPERTIES

1- Physical state: Pale yellow liquid
2- Odour: Reminiscent of bitter orange blossom, fresh, sweet odour.
3- Solubility in water: Insoluble
4- Solubility in alcohol: Soluble
5- Specific gravity @20°C: 0.865
6- Refractive index @20°C: 1.467
7- Optical rotation @20°C: n/a
8- Flash point: 57°C

3) CHROMATOGRAPHIC VALUES OF THE VOLATILE COMPONENTS OF THE OIL (in %)

Components	%	Allergen %
1- α -Pinene	0.43	
2- Sabinene	1.65	
3- β -Pinene	5.21	
4- Myrcene	1.83	
5- Limonene	16.35	16.35
6- β -Ocimene (Z)	1.29	
7- β -Ocimene (E)	2.90	
8- Linalool	42.33	42.33
9- Terpinene-1,ol-4	0.25	

Components	%	Allergen %
10- α -Terpineol	4.35	
11- Nerol	0.87	
12- Linalyl acetate	11.51	
13-Geraniol	3.00	3.00
14- Neryl acetate	0.80	
15- Geranyl acetate	1.71	
16- α -Humulene	0.75	
17- Nerolidol (E)	1.04	
18- Farnesol (E)	0.50	0.50

n.d. = not detected

Total Allergen % according to European restriction (SCCNFP/0017/98 December 1999)

62.18