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

Version: 25-Mar-16

1) GENERAL INFORMATION

Name: H.E. NEROLI EGYPTE
Batch Number: 180619-6
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	0.36	
2- Sabinene	1.21	
3- β -Pinene	4.23	
4- Myrcene	1.82	
5- Limonene	13.82	13.82
6- β -Ocimene (Z)	0.85	
7- β -Ocimene (E)	3.57	
8- Linalool	44.14	44.14
9- Terpinene-1,ol-4	0.27	

Components	%	Allergen %
10- α -Terpineol	4.88	
11- Nerol	1.20	
12- Linayl acetate	13.87	
13-Geraniol	1.60	1.60
14- Neryl acetate	1.08	
15- Geranyl acetate	2.17	
16- α -Humulene	0.64	
17- Nerolidol (E)	1.16	
18- Farnesol (E)	0.72	0.72

n.d. = not detected

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

60.28