



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 Red Mandarin Essential Oil
(Citrus reticulata)

Batch number: 101125-4

Origin: Italy

SUBSTANCE IDENTIFICATION

Common name of product RED MANDARIN ESSENTIAL OIL ORGANIC

TECHNICAL INFORMATION			
Appearance	Liquid		
Color	Orange to red		
Odour	Fresh orange mandarin		
	Value	Minimum	Maximum
Specific gravity 20/20 (ISO 279)	0,849	0,840	0,860
Refractive index 20°C (ISO 280)	1,474	1,470	1,480
Optical rotation 20°C (ISO 592)	75,8	60,0	85,0

Storage conditions Full containers in a cool and dry place protected from heat and light.

Packages Our packages are food grade and suitable for transport of hazardous materials.

GC ANALYSIS

Chromatographic profile (area % by GC according to ISO 11024)

Chemical component	Value (%)	Minimum (%)	Maximum (%)
1 alpha pinene	1,9	1,0	4,0
2 limonene	74,1	60,0	80,0
3 gamma terpinene	16,3	12,0	28,0
4 dimethyl anthranilate methyl	0,40	0,20	0,80

GENERAL REGULATORY NOTES

With reference to the a/m product we, the hereby state that:

- is suitable for vegans (no animal products nor animal derived products, including dairy, eggs, leather, bees' products – beeswax and honey are used nor present in our factory)
- does not contain Genetically Modified Organisms (GMO) nor derivative ingredients therefore it is exempt from the requirements of the European Regulations (EC) n° 1829/2003 & n° 1830/2003 and all its amendments
- NO additives (preservatives/stabilizers/antioxidant) PRESENT
- doesn't contain any kind of substances listed in the annex III EC Reg 1334/2008
- doesn't contain any kind of substances listed in the annex II EC Reg 1223/2009
- Is not listed as CMR (Carcinogenic, Mutagenic or toxic for Reproduction) substances category 1A, 1B or 2, as listed in table 3.1 9 List of harmonized classification and labelling of hazardous substances) of the Regulation on Classification Labelling & packaging (regulation (EC)1272/2008)
- is not treated with ionization radiation
- is in compliance with the regulation n°396/2005 and subsequent amendments
- is in compliance with the regulation n°2023/915 and subsequent amendments
- does not contain nanomaterials
- is not produced by animal testing according to Art.18 of Regulation (EC) No.2009/1223 of the European Parliament and Council
- doesn't contain any FOOD Allergen (Reg (EU) No 1169/2011 – ANNEX II)
- are not manufactured from specified risk materials from bovine, ovine and caprine animal species as defined in the commission's decision 2000/418/EEC.

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