



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 Green Mandarin Essential Oil
(Citrus reticulata/nobilis)

GENERAL PROPERTIES

Batch number	260526-6
INCI	Citrus Reticulata / Nobilis Peel Oil
Country of origin	Brazil
Manufacturing method	By cold expression of the fresh pericarpe of the fruit
Organic certification	ORGANIC PRODUCT
Used part	Peel

ORGANOLEPTIC PROPERTIES

	Norm	Result	Conformity
Appearance	Limpid liquid	Limpid liquid	CONFORM
Color	Yellowish green to dark green	Yellowish green to dark green	CONFORM
Odor	Characteristic of the fresh pericarpe of the fruit	Characteristic of the fresh pericarpe of the fruit	CONFORM

TECHNICAL DATA

	Norm	Result	Conformity
Relative density (d20/20)	[0.848 ; 0.855]	0.851	CONFORM
Refractive index @ 20°C	[1.474 ; 1.478]	1.476	CONFORM
Angular rotation (°)	[+64.0 ; +75.0]	+68.6	CONFORM

MAIN CONSTITUENTS IN %

	Norm	Result	Conformity
alpha-Pinène	[1.5 ; 3.0]	2.1	CONFORM
beta-Pinène	[1.2 ; 2.0]	1.6	CONFORM
Myrcène	[1.5 ; 2.5]	1.8	CONFORM
para-Cymène	[0.0 ; 1.0]	0.5	CONFORM
Limonène	[65.0 ; 75.0]	68.3	CONFORM
gamma-Terpinène	[16.0 ; 22.0]	20.2	CONFORM
Terpinolène	[0.0 ; 1.5]	0.9	CONFORM
Linalol	[0.0 ; 0.5]	0.2	CONFORM
Décanal	[0.0 ; 0.5]	0.1	CONFORM
N-méthylanthranilate de méthyle	[0.3 ; 0.7]	0.6	CONFORM
alpha-Sinensal	[0.1 ; 0.5]	0.4	CONFORM
Methyl eugénol	< 10 ppm	< 10 ppm	CONFORM
Methylchavicol	< 10 ppm	< 10 ppm	CONFORM
Safrol	< 10 ppm	< 10 ppm	CONFORM

PACKAGING – STORAGE

Storage conditions: This product is best stored in its original packaging in a cool, dry and dark place.