



NHR ORGANIC OILS
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Certificate of Analysis & Gas Chromatography
Organic Green Mandarin Essential Oil
(Citrus reticulata)

Batch number: 280825-4

Origin: Brazil

1. IDENTIFICATION DE LA SUBSTANCE / IDENTIFICATION OF THE SUBSTANCE

Nom du produit / Product name:	Huile essentielle de MANDARINE VERTE BIO Brésil / Essential oil of ORGANIC GREEN MANDARIN Brazil
Qualité/ Quality : Nom INCI / INCI name : Nom latin / latin name :	Substance 100% pure et naturelle / Matter 100% pure and natural CITRUS RETICULA/NOBILIS PEEL OIL Citrus reticulata blanco

2. CARACTERISTIQUES ORGANOLEPTIQUES ET PHYSIQUES/PHYSICAL AND CHARACTERISTICS

CRITÈRES / CRITERIA	SPECIFICATIONS	CONFORMITÉ / CONFORMITY
Densité à 20°C / Density at 20°C	0.854	Conforme / Compliant
Indice de réfraction à 20 °C / Reflective Index	1.4756	Conforme / Compliant
Pouvoir rotatoire/ Optical rotation	68.80	Conforme / Compliant
Apparence / Appearance	Gris-vert liquide / Grey-green liquid	Conforme / Compliant
Odeur / Odor	Frais, typique du fruit / Fresh, typical of fruit	Conforme / Compliant

3. ANALYSES CHROMATOGRAPHIQUES / CHROMATOGRAPHIC ANALYSIS

CONSTITUANTS / CONSTITUENTS	%
alpha-PINENE	2,15
alpha-THUYENE	0,78
beta-PINENE	1,54
SABINENE	0,25
beta-MYRCENE	1,76
alpha-TERPINENE	0,21
Delta 3 carene	ND
LIMONENE	69,29
gamma-TERPINENE	19,47
p-CYMENE	0,43
TERPINOLENE	0,86
OCTANAL	0,08
DECANAL	0,09
LINALOL	0,13
beta-CARYOPHYLLENE	0,12
TERPINENE-4-OL	0,05
NERAL	tr
alpha-TERPINEOL	0,22
GERANIAL	0,04
alpha-FARNESENE	0,39
CITRONELLOL	0,03
GERANIOL	0,02
N-METHYL ANTHRANILATE DE METHYLE	0,66
THYMOL	0,11
alpha-SINENSAL	0,35