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Certificate of Analysis & Gas Chromatography

Organic Red Mandarin Essential Oil (*Citrus reticulata*)

Country of Origin - Italy

Batch No. 100821-2

1. IDENTIFICATION DE LA SUBSTANCE / IDENTIFICATION OF THE SUBSTANCE

Nom du produit / Product's name: Huile essentielle de MANDARINE ROUGE BIO Italie / Essential oil of ORGANIC RED MANDARIN Italy

Législation : Substance 100% pure et naturelle / Matter 100% pure and natural

Nom INCI / INCI name : Citrus reticula peel oil

2. CARACTERISTIQUES ORGANOLEPTIQUES ET PHYSIQUES / PHYSICAL AND ORGANOLEPTIC CHARACTERISTICS

CRITÈRES / CRITERIA	SPECIFICATIONS	CONFORMITÉ / CONFORMITY
Densité à 20°C / Density at 20°C	0.855	Conforme / Compliant
Indice de réfraction à 20 °C /	1.475	Conforme / Compliant
Apparence / Appearance	Rouge liquide / Red liquid	Conforme / Compliant
Odeur / Odour	Frais, typique du fruit / Fresh, typical of fruit	Conforme / Compliant

3. ANALYSES CHROMATOGRAPHIQUES / MICROBIOLOGICAL CHARACTERISTIC

CONSTITUANTS / CONSTITUENTS	%
a-thuyene	0.69
a-pinene	1.957
Camphene	0.014
Sabinene	0.233
Beta pinene	1.753
Myrcene	1.32
Octanal	0.15
Alpha phellandrene	0.035
Alpha terpinene	0.09
D limone	75.51
Gamma terpinene	16.52
Terpinolene	0.21

Linalool	0.04
Nonanal	0.021
Citronellal	0.011
Decanal	0.024
Neral	0.014
Geranial	0.015
Undecanal	0.008
n-methyl antranilate	0.45
Alpha farnesene	0.045
Alpha sinensal	0.092