

STORAGE / SHELF LIFE
Precautions for safe storage
container & conditions

temperature shelf life

Specification Sheet

CITRUS OILS AND CITRUS SPEC	HALITIES	•	
GREEN MANDARIN		Ref. 29135	
Version 2RME07 – Revision Date: No		Page 1/1	
1. PRODUCT	veribei 22, 2023	raye 1/1	
1.1 Product identifier	Croop Mandaria Oil Ref. 20125		
product trade name botanical origin	Green Mandarin Oil - Ref. 29135 Citrus reticulata, BLANCO		
production process	obtained by cold pressing from fresh Mandarin fruits		
status	100% Natural Complex Substance		
EU name	Mandarin orange, ext.		
EC number	284-521-0		
CAS number (EC inventory)	84929-38-4		
other CAS number	8008-31-9		
FDA number	21CFR182.20		
CE number	142		
FEMA number	2657		
RIFM number	250-G2.5		
INCI name	citrus nobilis peel oil expressed		
PHYSICAL AND CHEM			
2.1 Organoleptic characteristic	<u>s</u>		
appearance & color	liquid – green to dark green-brownish		
odor	Italian mandarin note - fruity & juicy		
2.2 Physical & chemical data			
analysis	ranges	instruments	
relative density d_4^{20}	0.8400 ÷ 0.8600	ANTON PAAR - DMA 4500	
optical rotation $a_{\rm D}^{20}$	+64.00° ÷ +84.00°	Optical Activity - POLAAR 20	
refractive index $n_{\rm p}^{20}$	1.4690 ÷ 1.4790	ANTON PAAR - RXA 170	
peroxides	≤20 mmol/l	CDR - FoodLab	
<u>flash point</u> solubility	51 °C (123.8 °F) alcohol - other oils	GRABNER - Miniflash FLP	
2.3 Key peaks	alconol - other ons	-	
common name	ranges	instruments	
a-pinene	≤4.00%	GC - internal method	
β-pinene	≤2.50%	GC - internal method	
myrcene	≤2.50%	GC - internal method	
limonene	70.00% ÷ 85.00%	GC - internal method	
y-terpinene	≤22.00%	GC - internal method	
linalool	≤0.25%	GC - internal method	
citronellal	≤0.10%	GC - internal method	
citronellol	≤0.07%	GC - internal method	
citral	≤0.07%	GC - internal method	
geraniol	≤0.07%	GC - internal method	
methyl N-methylanthranilate	≤0.45%	GC - internal method	
2.4 Furocoumarins			
common name	ranges	instrument	
furocoumarins	absent	HPLC - internal method	
3. CERTIFICATIONS			
3.1 Statements			
Food & Natural	this product is solvents, preservatives and other technical adjuvants free, it is a 100% natural flavouring agent		
(EU - US)	obtained by physical processes only from one botanical source (Citrus reticulata, BLANCO), according to Reg.		
(20 03)			
Food Allowanna Fron	(EC) N. 1334/2008 Art. 3 (2)(d) & Code of Federal Regulation (CFR) Title 21 - 101.22 (a)(3) this product is single-ingredient , it is a 100% natural flavouring agent obtained by physical processes only from		
Food Allergens Free			
(EU - US)	one botanical source (Citrus reticulata, BLANCO) and it does not contain any food allergen listed in the		
	2	Annex II of Reg. (EU) Nr. 1169/2011 nor any of the nine "Major Food Allergens" as defined in the Food	
		Allergy Safety, Treatment, Education, and Research (or FASTER) Act of 2021 of the United States of	
-	America.		
GMO Free	this product has been obtained from non-	this product has been obtained from non-genetically modified plants; no enzyme and/or no GMO enzymes have been	
	used during the production process and co	nsequently, with reference to Regulations (EC) 1829/2003 and 1830/2003,	
	it does not contain GMO or GMO-derive	it does not contain GMO or GMO-derived product	
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to be stored in stainless steel drums, preferably under inert atmosphere (nitrogen) with minimum head space,

protected from day-light in a dry, aerated place, away from any heat source and ignition source from 5 °C to 21 °C

18 months, as per recommended storage conditions