

## CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Red Mandarin	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Citrus reticulata	ADDRESS:	1339 SHEFFORD, BROMONT (QC) J2L 1C9, CANADA
SYNONYM(S):		TELEPHONE:	1.855.534.1671
		FAX:	1.855.553.6010
		WEB:	WWW.ZAYATAROMA.COM
		E-MAIL:	INFO@ZAYATAROMA.COM
INCI NAME:	Citrus reticulata peel oil		
CAS TSCA:	8008-31-9	HS CODE:	3301.29
CAS EINECS:	84929-38-4	EINECS:	
FEMA:	2657	COE:	142n
COUNTRY OF ORIGIN:	Italy	FDA CODE:	182.2
PRODUCTION TYPE:	Certified Organic		Certified organic by Ecocert Canada
PRODUCTION METHOD:	Cold pressed		
PART DISTILLED:	Zest		
LOT NUMBER:	EAB248737IT74721A		
PRODUCTION DATE:	12/2020		
EXPIRATION DATE:	12/2022		



PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Orangish yellow to a dark orange liquid</i>	<i>Complies</i>
ODOR	<i>Characteristic sweet citrusy odor</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.840 - 0.858 @ 20°C</i>	<i>0.857</i>
OPTICAL ROTATION:	<i>+63.0 - +78.0 @ 20°C</i>	<i>76.45</i>
REFRACTIVE INDEX:	<i>1.470 - 1.475 @ 20°C</i>	<i>1.475</i>
PEROXYDE VALUE:	<i>&lt;= 15 mEq O2/KG</i>	<i>N/A</i>

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Red Mandarin  
Citrus reticulata

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% TOTAL: 98.52	COMPONENTS
1.83	<i>Alpha pinene</i>
0.68	<i>Alpha thuyene</i>
1.30	<i>Beta pinene</i>
1.75	<i>Myrcene</i>
0.34	<i>Alpha terpinene</i>
74.26	<i>Limonene</i>
16.21	<i>Gamma terpinene</i>
0.53	<i>Paracymene</i>
0.73	<i>Terpinolene</i>
0.03	<i>Octanal</i>
0.10	<i>Decanal</i>
0.09	<i>Linalol</i>
0.02	<i>Citronellol</i>
0.36	<i>Methyl anthranilate</i>
0.29	<i>Alpha sinensal</i>

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