



## CERTIFICATE OF ANALYSIS

### PRODUCT IDENTIFICATION

PRODUCT NAME: Red Myrtle  
BOTANICAL NAME: Myrtus communis myrtenylacetatiferum  
SYNONYM(S):

INCI NAME: Myrtus communis oil  
CAS TSCA: 8008-46-6  
CAS EINECS: 84082-67-7  
FEMA: N/A  
COUNTRY OF ORIGIN: Morocco  
PRODUCTION TYPE: Organic  
PRODUCTION METHOD: Steam distilled  
PART DISTILLED: Leaves  
LOT NUMBER: EAB697269MA72620A  
PRODUCTION DATE: 12/2020  
EXPIRATION DATE: 12/2022

### COMPANY IDENTIFICATION

COMPANY: ZAYAT AROMA INC.  
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HS CODE: 3301.29  
EINECS:  
COE: 300n  
FDA CODE: 172.51

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Reddish brown liquid</i>	<i>Complies</i>
ODOR	<i>Characteristic eucalyptus-like odor</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water.</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.890 to 0.925 @ 20°C</i>	<i>0.897</i>
OPTICAL ROTATION:	<i>+10.0 – +30.0 @ 20°C</i>	<i>+10.0</i>
REFRACTIVE INDEX:	<i>1.460 – 1.470 @ 20°C</i>	<i>1.460</i>
PEROXYDE VALUE:	<i>&lt;= 15 mEq O2/KG</i>	<i>N/A</i>

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% TOTAL: 98.55	COMPONENTS
0.25	<i>Isobutyl isobutyrate</i>
0.19	<i>Alpha-thujene</i>
27.1	<i>Alpha-pinene</i>
0.1	<i>Camphene</i>
0.45	<i>Beta-pinene</i>
0.15	<i>Myrcene</i>
0.23	<i>2-methyl isobutyl isobutyrate</i>
0.55	<i>p-cymene</i>
0.05	<i>Beta-phellandrene</i>
30.7	<i>1-8 cineole</i>
11.55	<i>Limonene</i>
0.15	<i>(E) Beta-ocimene</i>
0.1	<i>Gamma-terpinene</i>
0.1	<i>Terpinolene</i>
4.5	<i>Linalool</i>
0.17	<i>Borneol</i>
0.35	<i>Terpinen-4-ol</i>
3.4	<i>Alpha-terpineol</i>
0.15	<i>Estragole</i>
0.55	<i>Myrtenol</i>
0.4	<i>Geraniol</i>
12.8	<i>Myrtenyl acetate</i>
0.4	<i>Alpha-terpenyl acetate</i>
2.25	<i>Geranyl acetate</i>
0.7	<i>Methyl eugenol</i>
0.45	<i>(E) Beta-caryophyllene</i>
0.25	<i>Alpha-humulene</i>
0.15	<i>Delta-cadinene</i>
0.25	<i>Beta-bisabolene</i>
0.11	<i>(E) nerolidol</i>

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