



**PHYTOS**

Phytos Natur CZ. s.r.o.

## **TECHNICAL DATA SHEET (TDS)**

<b>Product Name</b>	<b>MANDARINKA EO</b>
<b>Botanical Name</b>	Citrus reticulata
<b>CAS #</b>	8008-31-9 / 84929-38-4
<b>FEMA #</b>	2657
<b>ENCIES #</b>	- / 284-521-0
<b>INCI Name</b>	Citrus Reticulata Peel Oil

<b>Part Used</b>	Peels
<b>Extraction Method</b>	Cold Pressed Essential Oil
<b>Quality</b>	100 % Pure and Natural
<b>Note Classification</b>	Top Note

<b>PROPERTIES</b>	<b>SPECIFICATIONS</b>
<b>Appearance</b>	Pale yellow to reddish orange colored liquid
<b>Odor</b>	Fresh, zesty, characteristic citrus-sweet aroma
<b>Refractive Index</b>	1.465 - 1.485 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.840 - 0.860 @ 20°C
<b>Optical Rotation (°)</b>	+63° to +78°
<b>Solubility</b>	Soluble in alcohols and fixed oils; Insoluble in water

<b>MICROBIAL ANALYSIS</b>	<b>SPECIFICATIONS</b>	<b>STANDARDS</b>
<b>Aerobic Mesophilic Bacterial Count</b>	< 100 CFU/g	ISO 21149
<b>Yeast and Mould</b>	< 10 CFU/g	ISO 16212
<b>Candida albicans</b>	ABSENT / 1g	ISO 18416
<b>Escherichia coli</b>	ABSENT / 1g	ISO 21150
<b>Pseudomonas aeruginosa</b>	ABSENT / 1g	ISO 22717
<b>Staphylococcus aureus</b>	ABSENT / 1g	ISO 22718

<b>HEAVY METAL TESTS</b>	<b>SPECIFICATIONS</b>	<b>STANDARDS</b>
<b>Lead: Pb (mg/kg or ppm)</b>	< 10 ppm	na
<b>Arsenic: As (mg/kg or ppm)</b>	< 2 ppm	na
<b>Mercury: Hg (mg/kg or ppm)</b>	< 1 ppm	na

### **STABILITY AND STORAGE:**

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 36 months, quality should be checked before use.



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