

*Baller s.r.l.*



*Citrus Essential Oils*

AP/pb

**TECHNICAL DATA SHEET**

Messina, 25.11.2016

<i>PRODUCT</i>	<b>RED MANDARIN OIL REF. 2471/12</b>
<i>ORIGINAL PLANT</i>	Citrus Reticulata Blanco
<i>PART OF THE PLANT USED</i>	Peel
<i>GEOGRAPHICAL ORIGIN</i>	Sicily / ITALY
<i>C.A.S. N.</i>	8008-31-9
<i>C.A.S. (Einecs) N.</i>	84929-38-4
<i>E.I.N.E.C.S. N.</i>	284-521-0
<i>FEMA</i>	2657 (GRAS)

**SPECIFICATION**

<i>APPEARANCE</i>	Liquid
<i>COLOUR</i>	Dark orange to reddish
<i>ODOUR</i>	Characteristic of the fresh mandarin pericarp

<i>DENSITY @ 20°C</i>	0.8500 / 0.8550
<i>REFRACTIVE INDEX @ 20°C (<math>n_{20}^D</math>)</i>	1.4730 / 1.4770
<i>OPTICAL ROTATION (°) @ 20°C</i>	+67° / +75°
<i>ACID NUMBER</i>	Up to 2.7
<i>SOLUBILITY IN WATER</i>	Negligible
<i>BOILING POINT (°C)</i>	176 – 177
<i>FLASHPOINT (°C)</i>	49
<i>SOLUBILITY IN ALCOHOL (90°)</i>	7 to 10 Vol.

**STABILITY AND STORAGE**

- Shelf Life: 12 months in tightly closed and well filled containers.
- Conditions to be avoided: High temperatures, flame. The risk of dangerous decomposition does not exist.

**IDENTIFICATION OF THE COMPANY**

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