

## TECHNICAL DATA SHEET

Effective date: 11.2024

### Red Mandarin Essential Oil

#### INFORMATION ON SUBSTANCE / MIXTURE

INCI	Citrus Reticulata Peel Oil
Botanical name	Citrus reticulata Blanco
Manufacturing process	Essential oil extracted without heating, by mechanical proceeding, of the epicarp and part of the fresh mesocarp of the fruit of red mandarin (Rutaceae)
Main components	Limonene, gamma-terpinene
Raw material category	Ingredient for cosmetics, personal care, aromatherapy

#### TECHNICAL DATA

##### Physical parameters

Appearance	Liquid
Color	Fruity, sweet, citrusy, slightly floral
Odor	Yellowish orange
Relative density at 20°C	0.848 – 0.855
Refractive index at 20°C	1.474 – 1.478
Specific rotation (°)	+64° to +75°
Flash point	+49°C

##### Biological parameters

Total aerobic microbial count	< 1000 cfu/ g
Total yeast and mould count	< 100 cfu/g
Pathogens (Escherichia coli, Candida albicans, Pseudomonas aeruginosa, Staphylococcus aureus)	Absent/1g

#### TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container.
Shelf Life	Min 36 months at the recommended storage conditions.

## TECHNICAL DATA SHEET


Effective date: 11.2024

### Red Mandarin Essential Oil

#### LEGISLATION, STATEMENTS

CAS No.	8008-31-9
BSE/TSE	Produced in the absence of any animal derived material of any type. No contamination with BSE/ TSE Bovine Spongiform Encephalopathy risk materials is to be expected.
GMO status	Product does not come from plants being or having been submitted to a program of genetic modification.
Nanomaterial statement	Not expected to contain any nanomaterial meaning an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm, as defined in Regulation (EC) No 1223/2009 on cosmetic products and the Commission Recommendation 2011/696/EU.
Microplastics	The product does not contain any Microplastic according to Annex XVII to REGULATION (EC) No 1907/2006 Of The European Parliament And Of The Council and its amendments.
Irradiation	This product has not been subjected to irradiation.
Gluten- Status	Not expected to contain gluten. The product can be considered as gluten-free as it does not contain ingredients derived from grain (e.g. wheat, rye or barley) or does not contain detectable levels of gluten.
Other Free from status	Dioxin, Formaldehyde, Phthalates
Animal testing	This product has not been the subject of animal testing for cosmetic purposes according to EC Regulation 1223/2009
Information for Vegan Assessment	Vegan and Vegetarian suitable. Manufacture does not involve the use of any animal product, by-product or ingredient. This product meets Vegan requirements, but it is not certified.

#### LABELING

Hazard pictograms	
Hazard statements	<p>H226 – Flammable liquid and vapor.  H304 - May be fatal if swallowed and enters airways.  H315 - Causes skin irritation.  H317 - May cause an allergic skin reaction.  H400 - Very toxic to aquatic life.  H410 - Very toxic to aquatic life with long lasting effects.</p>

## TECHNICAL DATA SHEET

Effective date: 11.2024

### Red Mandarin Essential Oil

Precautionary statements	<p>P101: If medical advice is needed, have product container or label at hand.</p> <p>P262: Do not get in eyes, on skin, or on clothing.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301+ P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P315: Get immediate medical advice/attention.</p>
European Union specific hazard statements	None

#### DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.