

## SPECIFICATION SHEET

**VERSION** 1,00      **VERSION DATE** 01/07/19      **PRINT DATE** 07/04/20

**PRODUCT** GRAPEFRUIT OIL RED, BIO  
**APPLICATIONS**  
**IUPAC NAME** GRAPEFRUIT OIL  
**PLANT OF ORIGIN** Citrus paradisi Macf.  
**PART OF THE PLANT** PEELS  
**SYNONYMS**

**CAS** 90045-43-5  
**CAS 2** 8016-20-4  
**EINECS** 289-904-6

**FEMA** 2530  
**TARIFF NUMBER** 3301192000

**FOOD GRADE CERTIFICATE** AVAILABLE ON REQUEST  
**REACH REGISTRATION NO.** Not available. Substance lawfully placed in the EU market before 1 June 2018.

### SPECIFICATIONS

**ASPECT AT 20° C** CLEAR MOBILE LIQUID  
**COLOUR** DARK ORANGE TO RED  
**ODOUR** FRESH, CITRIC  
**TASTE** ORANGE-LIKE  
**DENSITY A 20° C (g / ml)** 0,840 - 0,865  
**DENSITY 25/25** -  
**REFRACTIVE INDEX nD20** 1,4650 - 1,4850  
**REFRACTIVE INDEX nD25** -  
**OPTICAL ROTATION (°)** /  
**BOILING POINT (°C)** -  
**MELTING POINT (°C)** -  
**FLASH POINT (°C)** 51,00  
**ASSAY (% GC)** ALDEHYDE (AS CITRAL): 0,6-2,0%  
**ACID VALUE (mg KOH/g)** -  
**SOLUBILITY** INSOLUBLE IN WATER  
**VAPOUR PRESSURE** NOT DETERMINED  
**OTHER SOLUBILITIES** SOLUBLE IN ETHANOL

### OTHER TECHNICAL DATA

### STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 24 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.

STORAGE TEMPERATURE 10-15°C. PURGE HEADSPACE WITH NITROGEN.

WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE. IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS.