

## SPECIFICATION SHEET

**VERSION** 4,00      **VERSION DATE** 27/06/24      **PRINT DATE** 17/07/24

**PRODUCT** CLEMENTINE OIL, COLORLESS  
**APPLICATIONS** Industrial raw material not intended for direct use.  
**IUPAC NAME** MANDARIN CLEMENTINE OIL  
**PLANT OF ORIGIN** Citrus clementina hort. ex Tanaka syn...  
**PART OF THE PLANT** FRUIT PEELS  
**SYNONYMS** SPANISH CLEMENTINE OIL, COLORLESS

**CAS** 84929-38-4  
**CAS 2** 8008-31-9  
**EINECS** 284-521-0  
**EINECS 2** -  
**FEMA** 2657  
**TARIFF NUMBER** 3301192000

**FOOD GRADE CERTIFICATE** AVAILABLE ON REQUEST  
**REACH REGISTRATION NO.** On request. REACH and non-REACH material available for this product.

### SPECIFICATIONS

**ASPECT AT 20°C** CLEAR MOIBLE LIQUID  
**COLOUR** COLORLESS  
**ODOUR** FRESH, FRUITY  
**TASTE**  
**DENSITY AT 20°C (g / ml)** 0,835 - 0,845  
**DENSITY 25/25** -  
**REFRACTIVE INDEX nD20** 1,4650 - 1,4800  
**REFRACTIVE INDEX nD25** -  
**OPTICAL ROTATION (°)** 85,00 / 115,00  
**BOILING POINT (°C)**  
**MELTING POINT (°C)**  
**FLASH POINT (°C)** 49,00  
**ASSAY (% GC)** LIMONENE: APPROX. 95%  
**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.

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.

THIS PRODUCT HAS NOT BEEN FILTERED DUE TO TECHNICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.