

## SPECIFICATION SHEET

**VERSION** 1,00      **VERSION DATE** 10/08/21      **PRINT DATE** 04/07/24

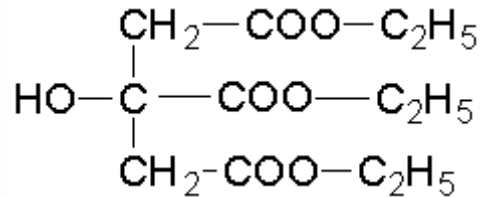
**PRODUCT** TRIETHYL CITRATE US NATURAL  
**APPLICATIONS** Industrial raw material not intended for direct use.  
**IUPAC NAME** TRIETHYL 2-HYDROXY-1,2,3-PROPANETRICARBOXYLATE  
**SYNONYMS** TRIETHYL 2-HYDROXY-1,2,3-PROPANE-TRICARBOXYLATE, ETHYL CITRATE

**PLANT OF ORIGIN**  
**PART OF THE PLANT**

**FORMULA** C<sub>12</sub> H<sub>20</sub> O<sub>7</sub>  
**MOLECULAR WEIGHT** 276,00  
**CAS** 77-93-0

**EINECS** 201-070-7

**FEMA** 3083  
**TARIFF NUMBER** 2918150090



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

### SPECIFICATIONS

<b>ASPECT AT 20°C</b>	CLEAR MOBILE LIQUID
<b>COLOUR</b>	COLORLESS TO PALE YELLOW
<b>ODOUR</b>	SLIGHT
<b>TASTE</b>	BITTER
<b>DENSITY AT 20°C (g / ml)</b>	1,136 - 1,142
<b>DENSITY 25/25</b>	1,135 - 1,139
<b>REFRACTIVE INDEX n<sub>D20</sub></b>	1,4400 - 1,4440
<b>REFRACTIVE INDEX n<sub>D25</sub></b>	1,4390 - 1,4430
<b>OPTICAL ROTATION (°)</b>	/
<b>BOILING POINT (°C)</b>	235
<b>MELTING POINT (°C)</b>	-
<b>FLASH POINT (°C)</b>	155,00
<b>ASSAY (% GC)</b>	> 99
<b>ACID VALUE (mg KOH/g)</b>	< 0,02%(CITRIC ACID)
<b>SOLUBILITY</b>	SOLUBILITY IN WATER (25°C): 6,5 g/L
<b>VAPOUR PRESSURE</b>	0,00189 mm Hg (25°C)
<b>OTHER SOLUBILITIES</b>	SOLUBLE IN ETHANOL. NOT SOLUBLE IN VEGETABLE OILS.

**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.

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.