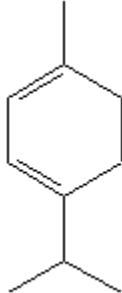


## SPECIFICATION SHEET

**VERSION** 9,00 **VERSION DATE** 02/10/23 **PRINT DATE** 16/08/24

<b>PRODUCT</b>	TERPINENE ALPHA	
<b>APPLICATIONS</b>	Industrial raw material not intended for direct use.	
<b>IUPAC NAME</b>	1-METHYL-4-ISOPROPYLCYCLOHEXADIENE-1,3	
<b>SYNONYMS</b>	P-MENTHA-1,3-DIENE	
<b>FORMULA</b>	C10 H16	
<b>MOLECULAR WEIGHT</b>	136,00	
<b>CAS</b>	99-86-5	
<b>EINECS</b>	202-795-1	
<b>FEMA</b>	3558	
<b>TARIFF NUMBER</b>	2902190000	
<b>FOOD GRADE CERTIFICATE REACH REGISTRATION NO.</b>	AVAILABLE ON REQUEST On request. REACH and non-REACH material available for this product.	

## SPECIFICATIONS

<b>ASPECT AT 20°C</b>	CLEAR MOBILE LIQUID
<b>COLOUR</b>	COLORLESS
<b>ODOUR</b>	CITRIC, LEMON, REFRESHING
<b>TASTE</b>	
<b>DENSITY AT 20°C (g / ml)</b>	0,835 - 0,848
<b>DENSITY 25/25</b>	-
<b>REFRACTIVE INDEX nD20</b>	1,4750 - 1,4790
<b>REFRACTIVE INDEX nD25</b>	-
<b>OPTICAL ROTATION (°)</b>	/
<b>BOILING POINT (°C)</b>	177-183 (760 mm Hg)
<b>MELTING POINT (°C)</b>	-48°C
<b>FLASH POINT (°C)</b>	55,00
<b>ASSAY (% GC)</b>	> 89
<b>ACID VALUE (mg KOH/g)</b>	-
<b>SOLUBILITY</b>	INSOLUBLE IN WATER
<b>VAPOUR PRESSURE</b>	150 Pa (20°C); 940 Pa (50°C)
<b>OTHER SOLUBILITIES</b>	SOLUBLE IN ETHANOL 90%

**OTHER TECHNICAL DATA** REGULATION 872/2012 UE: ALPHA-PHELLANDRENE + 1,4-CINEOLE + ALPHA-TERPINENE + LIMONENE + 1,8-CINEOLE + P-CIMENE > 95%. PEROXIDES < 10 mmol/l.

## 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.