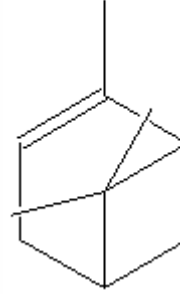


## SPECIFICATION SHEET

**VERSION** 2,00      **VERSION DATE** 26/02/19      **PRINT DATE** 30/03/20

**PRODUCT** PINENE ALPHA 95%  
**APPLICATIONS** Raw material for industrial use intended for the manufacture of flavours and/or fragrances.  
**IUPAC NAME** 2,6,6-TRIMETHYL BICYCLO-(3,1,1)-HEPT-2-ENE  
**SYNONYMS** 2-PINENE, PIN-2(3)-ENE, LEVO-ALPHA-PINENE

**PLANT OF ORIGIN** Pinus spp.  
**PART OF THE PLANT** DISTILLATION OF TURPENTINE OBTAINED FROM PINE  
**FORMULA** C10 H16  
**MOLECULAR WEIGHT** 136,00  
**CAS** 80-56-8  
**CAS 2** 7785-26-4  
**EINECS** 201-291-9  
**EINECS 2** 232-077-3  
**FEMA** 2902  
**TARIFF NUMBER** 2902190000



**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 MOBILE LIQUID  
**COLOUR** COLORLESS TO PALE YELLOW  
**ODOUR** PINE, CAMPHORACEOUS, EARTHY  
**TASTE**  
**DENSITY A 20° C (g / ml)** 0,855 - 0,865  
**DENSITY 25/25** -  
**REFRACTIVE INDEX nD20** 1,4620 - 1,4670  
**REFRACTIVE INDEX nD25** -  
**OPTICAL ROTATION (°)** -38,00 / -15,00  
**BOILING POINT (°C)** 166  
**MELTING POINT (°C)** -  
**FLASH POINT (°C)** 34,00  
**ASSAY (% GC)** > 95  
**ACID VALUE (mg KOH/g)** < 1  
**SOLUBILITY** INSOLUBLE IN WATER  
**VAPOUR PRESSURE** NOT DETERMINED  
**OTHER SOLUBILITIES** SOLUBLE IN ETHANOL

**OTHER TECHNICAL DATA** Peroxide value < 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.  
KEEP AWAY FROM SOURCES OF IGNITION

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 TECHNOLOGICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.