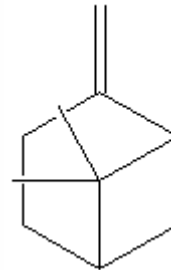


SPECIFICATION SHEET

VERSION 7,00 **VERSION DATE** 02/10/23 **PRINT DATE** 17/07/24

PRODUCT PINENE BETA 98, NATURAL
APPLICATIONS Industrial raw material not intended for direct use.
IUPAC NAME 6,6-DIMETHYL-2-METHYLENE-BICYCLO[3.1.1]HEPTANE
SYNONYMS LAEVO-BETA-PINENE, PIN-2(10)-ENE

PLANT OF ORIGIN Pinus palustris Mill.
PART OF THE PLANT DISTILLATION OF TURPENTINE FROM PINE
FORMULA C10 H16
MOLECULAR WEIGHT 136,00
CAS 18172-67-3
CAS 2 127-91-3
EINECS 242-060-2
EINECS 2 204-872-5
FEMA 2903
TARIFF NUMBER 2902190000



FOOD GRADE CERTIFICATE AVAILABLE ON REQUEST
REACH REGISTRATION NO. 01-2119519230-54

SPECIFICATIONS

| | |
|---------------------------------|--|
| ASPECT AT 20°C | CLEAR MOBILE LIQUID |
| COLOUR | COLORLESS |
| ODOUR | DRY, WOODY, PINEY, RESINOUS |
| TASTE | |
| DENSITY AT 20°C (g / ml) | 0,866 - 0,876 |
| DENSITY 25/25 | - |
| REFRACTIVE INDEX nD20 | 1,4760 - 1,4810 |
| REFRACTIVE INDEX nD25 | - |
| OPTICAL ROTATION (°) | -22,00 / -16,00 |
| BOILING POINT (°C) | 166 |
| MELTING POINT (°C) | |
| FLASH POINT (°C) | 43,00 |
| ASSAY (% GC) | > 98 |
| ACID VALUE (mg KOH/g) | - |
| SOLUBILITY | SOLUBLE IN ETHANOL 90% |
| VAPOUR PRESSURE | < 10 mmHg (20°C) |
| OTHER SOLUBILITIES | SOLUBLE IN ETHANOL. SOLUBLE 1-6 v/v IN ETHANOL 90°(25°C) |
| OTHER TECHNICAL DATA | 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.
KEEP AWAY FROM SOURCES OF IGNITION. 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.