

## SPECIFICATION SHEET

VERSION 2 VERSION DATE 19/09/22 PRINT DATE 29/03/24

PRODUCT CARYOPHYLLENE NATUREL - NON REACH  
APPLICATIONS Industrial raw material not intended for direct use.  
IUPAC NAME BETA-CARYOPHYLLENE  
SYNONYMS TRANS-CARYOPHYLLENE, BETA-CARYOPHYLLENE

PLANT OF ORIGIN Eugenia caryophyllata Thunb.  
PART OF THE PLANT LEAVES  
FORMULA  $C_{15}H_{24}$   
MOLECULAR WEIGHT 204  
CAS 87-44-5  
EINECS 201-746-1  
FEMA 2252  
CoE 2118  
FDA 172.515  
TARIFF NUMBER 2902190000  
FOOD GRADE CERTIFICATE AVAILABLE ON REQUEST

## SPECIFICATIONS

ASPECT AT 20°C CLEAR SLIGHTLY VISCOUS OILY LIQUID  
COLOUR COLORLESS TO PALE YELLOW  
ODOUR WOODY, SPICY, DRY, TENACIOUS  
TASTE DRY-WOODY, SOMEWHAT BITTER  
DENSITY AT 20°C (g / ml) 0,895-0,905  
DENSITY 25/25 0,899-0,908  
REFRACTIVE INDEX  $n_{D20}$  1,4950-1,5050  
REFRACTIVE INDEX  $n_{D25}$  -  
OPTICAL ROTATION (°) /  
BOILING POINT (°C) 254 - 257  
MELTING POINT (°C) -  
FLASH POINT (°C) 116  
ASSAY (% GC) BETA > 90 (ALPHA+BETA > 95)  
ACID VALUE (mg KOH/g) -  
SOLUBILITY INSOLUBLE IN WATER  
VAPOUR PRESSURE NOT DETERMINED  
OTHER SOLUBILITIES SOLUBLE 1:6 APPROX. IN ETHANOL 96%  
OTHER TECHNICAL DATA SYNONYM: 4,11,11-TRIMETHYL-8-METHYLENE-BICYCLO[7.2.0]UNDEC-4-ENE.

## 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.

### PRODASYNTH SAS

Capital : 1.100.000 Euros · R.C.S.: GRASSE B 349 236 372 00026 TVA FR 03 349 236 372 APE 2053 Z

PI DES BOIS DE GRASSE 4 AV. JOSEPH HONORÉ ISNARD · 06130 GRASSE · FRANCE · Tel: +33 0493090011 · Fax: +33 0422130738 · e-mail: info@prodasynt.com