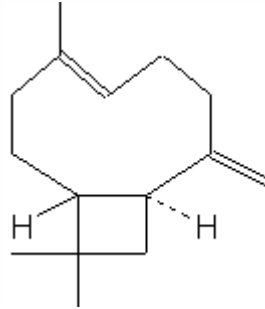


SPECIFICATION SHEET

VERSION	2,00	VERSION DATE	20/11/12	PRINT DATE	18/02/20
PRODUCT	CARYOPHYLLENE BETA NATURAL				
APPLICATIONS	Raw material for industrial use intended for the manufacture of flavours and/or fragrances.				
IUPAC NAME	BETA-CARYOPHYLLENE				
SYNONYMS	TRANS-CARYOPHYLLENE, BETA-CARYOPHYLLENE				
PLANT OF ORIGIN	Syzygium aromaticum (Eugenia caryophyllata)				
PART OF THE PLANT	LEAVES				
FORMULA	C15 H24				
MOLECULAR WEIGHT	204,00				
CAS	87-44-5				
EINECS	201-746-1				
FEMA	2252				
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 LIQUID	
COLOUR	COLORLESS TO PALE YELLOW	
ODOUR	WOODY, SPICY, DRY, TENACIOUS	
TASTE	DRY-WOODY, SOMEWHAT BITTER	
DENSITY A 20° C (g / ml)	0,895	- 0,905
DENSITY 25/25	-	
REFRACTIVE INDEX nD20	1,4980	- 1,5000
REFRACTIVE INDEX nD25	-	
OPTICAL ROTATION (°)	-12,00	/ -5,00
BOILING POINT (°C)	254 - 257	
MELTING POINT (°C)	-	
FLASH POINT (°C)	116,00	
ASSAY (% GC)	> 95	
ACID VALUE (mg KOH/g)	-	
SOLUBILITY	INSOLUBLE IN WATER	
VAPOUR PRESSURE	NOT DETERMINED	
OTHER SOLUBILITIES	SOLUBLE 1:6 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 TECHNOLOGICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.