



SPECIFICATION SHEET

VERSION 2

VERSION DATE 27/06/17

PRODUCT
IUPAC NAME
SYNONYMS

CARYOPHYLLENE, NATURAL - FLAV
BETA - CARYOPHYLLENE,
TRANS - CARYOPHYLLENE,
BETA - CARYOPHYLLENE

PLANT OF ORIGIN
PART OF THE PLANT
FORMULA
MOLECULAR WEIGHT

Eugenia caryophyllata Thunb.
LEAVS
 $C_{15}H_{24}$
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

REACH REGISTRATION NO.

Exempt from registration
(product to be used exclusively in flavours)

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

REFRACTIVE INDEX n_D^{20}

1,495 – 1,505

FLASH POINT (°C)

116

ASSAY (%GC)

BETA > 90 (ALPHA+BETA>95)

ACID VALUE (mg KOH/mg)

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SOLUBILITY

INSOLUBLE IN WATER

VAPOUR PRESSURE

NOT DETERMINED

OTHER SOLUBILITIES

SOLUBLE 1: 6 APROX. IN ETHANOL 96%

OTHER TECHNICAL DATA

SYNONYM: 4,1,,1,-TRIMETHYL-8-METHYLENE-
BICYCLO [7.2.0]UNDEC-4-ENE.

STABILITY AND STORAGE



CHEMDONE
FROM IDEA TO PRODUCTION

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.

