

SPECIFICATION SHEET

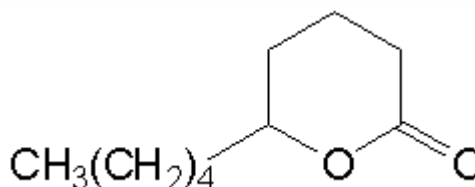
VERSION 2,00 **VERSION DATE** 31/05/22 **PRINT DATE** 01/05/24

PRODUCT DELTA-DECALACTONE CHIRAL NATURAL EU BESTALLY
APPLICATIONS Industrial raw material not intended for direct use.
IUPAC NAME TETRAHYDRO-6-PENTYL-2H-PYRAN-2-ONE
SYNONYMS (1,5)-DECANOLIDE, AMYL-DELTA-VALEROLACTONE, 6-PENTYLOXAN-2-ONE

PLANT OF ORIGIN
PART OF THE PLANT FERMENTATION OF CORN GERM OIL
FORMULA C₁₀ H₁₈ O₂
MOLECULAR WEIGHT 170,25
CAS 705-86-2

EINECS 211-889-1

FEMA 2361
TARIFF NUMBER 2932209025
KOSHER CERTIFICATE AVAILABLE ON REQUEST
FOOD GRADE CERTIFICATE AVAILABLE ON REQUEST
REACH REGISTRATION NO. Exempt from registration (imported/manufactured < 1 ton/year)



SPECIFICATIONS

ASPECT AT 20°C CLEAR MOBILE LIQUID
COLOUR COLORLESS
ODOUR NUT, FRUITY, COCONUT, BUTTERY
TASTE COCONUT, CREAMY, BUTTERY, MILKY, PEACH
DENSITY AT 20°C (g / ml) 0,966 - 0,973
DENSITY 25/25 0,964 - 0,971
REFRACTIVE INDEX n_{D20} 1,4560 - 1,4590
REFRACTIVE INDEX n_{D25} -
OPTICAL ROTATION (°) 35,00 / 56,00
BOILING POINT (°C) 281
MELTING POINT (°C) -27
FLASH POINT (°C) 113,00
ASSAY (% GC) > 98
ACID VALUE (mg KOH/g) < 5
SOLUBILITY INSOLUBLE IN WATER
VAPOUR PRESSURE NOT DETERMINED
OTHER SOLUBILITIES SOLUBLE 1:1 IN ETHANOL 95%

OTHER TECHNICAL DATA CHIRAL QUALITY. RATIO CHIRAL APPROX. (R)-(+)-D >95 : (S)-(-)-L <5.

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. EXPOSED TO WATER, THE LACTONE WILL HYDROLYSE AND IT MAY POLYMERIZE.

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.