

SPECIFICATION SHEET

VERSION	1,00	VERSION DATE	19/09/22	PRINT DATE	25/04/24
PRODUCT	DECALACTONE GAMMA NATURAL FIRMENICH 944600				
APPLICATIONS	Industrial raw material not intended for direct use.				
IUPAC NAME	GAMMA-N-HEXYL-GAMMA-BUTYROLACTONE				
SYNONYMS	1,4-DECANOLIDE				
PLANT OF ORIGIN					
PART OF THE PLANT					
FORMULA	C ₁₀ H ₁₈ O ₂				
MOLECULAR WEIGHT	170,00				
CAS	706-14-9				
EINECS	211-892-8				
FEMA	2360				
TARIFF NUMBER	2932209090				
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 TO PALE YELLOW	
ODOUR	FRUITY, PEACH, COCONUT, SWEET	
TASTE	FRUITY, PEACH, APRICOT, CREAMY	
DENSITY AT 20°C (g / ml)	0,950	- 0,956
DENSITY 25/25	-	
REFRACTIVE INDEX n_{D20}	1,4470	- 1,4510
REFRACTIVE INDEX n_{D25}	-	
OPTICAL ROTATION (°)	40,00	/ 42,00
BOILING POINT (°C)	281	
MELTING POINT (°C)		
FLASH POINT (°C)	110,00	
ASSAY (% GC)	> 98	
ACID VALUE (mg KOH/g)	< 3	
SOLUBILITY	INSOLUBLE IN WATER	
VAPOUR PRESSURE	1333226 (Pa)	
OTHER SOLUBILITIES	SOLUBLE IN ETHANOL	
OTHER TECHNICAL DATA	APPROXIMATE STEREOISOMERS RATIO: D ISOMER 99,9 : L ISOMER 0,1.	

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.