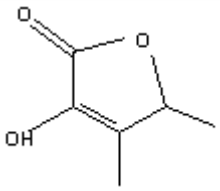
SPECIFICATION SHEET

VERSION	1,00	**VERSION DATE**	19/09/22	**PRINT DATE**	28/03/24

PRODUCT	4,5-DIMETHYL-3-HYDROXY-2,5-DIHYDROFURAN-2-ONE NAT US BESTALLY
APPLICATIONS	Industrial raw material not intended for direct use.
IUPAC NAME	4,5-DIMETHYL-3-HYDROXY-2,5-DIHYDROFURAN-2-ONE
SYNONYMS	SUGAR LACTONE, CARAMEL FURANONE, FENUGREEK LACTONE, SOTOLONE
PLANT OF ORIGIN	
PART OF THE PLANT	
FORMULA	C6 H8 O3
MOLECULAR WEIGHT	128,13
CAS	28664-35-9
EINECS	249-136-4
FEMA	3634
TARIFF NUMBER	2932209090
FOOD GRADE CERTIFICATE	AVAILABLE ON REQUEST
REACH REGISTRATION NO.	Exempt from registration (imported/manufactured < 1 ton/year)



SPECIFICATIONS

ASPECT AT 20ºC	CLEAR MOBILE LIQUID/SOLID	
COLOUR	PALE YELLOW TO YELLOW	
ODOUR	ALCOHOLIC, CARAMEL	
TASTE		
DENSITY AT 20ºC (g / ml)	1,172	- 1,198
DENSITY 25/25	1,170	- 1,195
REFRACTIVE INDEX nD20	1,4800	- 1,5000
REFRACTIVE INDEX nD25		-
OPTICAL ROTATION (º)		/
BOILING POINT (ºC)	187	
MELTING POINT (ºC)	CA. 25ºC	
FLASH POINT (ºC)	110,00	
ASSAY (% GC)	> 95	
ACID VALUE (mg KOH/g)	-	
SOLUBILITY	SOLUBLE IN WATER	
VAPOUR PRESSURE	NOT DETERMINED	
OTHER SOLUBILITIES	SOLUBLE IN MOST ORGANIC SOLVENTS.	
OTHER TECHNICAL DATA	SYNONYM: 4,5-DIMETHYL-3-HYDROXY-2(5H)-FURANONE.	

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.