

## SPECIFICATION SHEET

VERSION	8	VERSION DATE	09/08/23	PRINT DATE	12/01/26
PRODUCT	ALPHA IRONE				
APPLICATIONS	Industrial raw material not intended for direct use.				
IUPAC NAME	4-(2,5,6,6-TETRAMETHYL-2-CYCLOHEXEN-1-YL)-3-BUTEN-2-ONE				
SYNOMYS	5-METHYL-ALPHA-IONONE				
FORMULA	C <sub>14</sub> H <sub>22</sub> O				
MOLECULAR WEIGHT	206,33				
CAS	79-69-6				
CAS 2	54992-91-5				
EINECS	201-219-6				
EINECS 2	259-427-8				
FEMA	2597				
CoE	145				
FDA	172.515				
TARIFF NUMBER	2914230000				
FOOD GRADE CERTIFICATE	AVAILABLE ON REQUEST				

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ASPECT AT 20°C	CLEAR MOBILE LIQUID		
COLOUR	PALE YELLOW		
ODOUR	IRIS, WOODY, SWEET, FLORAL		
DENSITY AT 20°C (g / ml)	0,931-0,937		
DENSITY 25/25	0,930-0,936		
REFRACTIVE INDEX nD20	1,4990-1,5030		
REFRACTIVE INDEX nD25	-		
OPTICAL ROTATION (°)	/		
BOILING POINT (°C)	109°C (0,36 kPa); 290°C (1 atm)		
MELTING POINT (°C)	ca. -50°C		
FLASH POINT (°C)	110		
ASSAY (% GC)	SUM 4 ISOMERS > 97 (45-60/38-48/0-7/0-3)		
ACID VALUE (mg KOH/g)	-		
SOLUBILITY	INSOLUBLE IN WATER		
VAPOUR PRESSURE	0,004 hPa (20°C)		
OTHER SOLUBILITIES	SOLUBLE IN ETHANOL		
OTHER TECHNICAL DATA	ISOMER TRANS-ALPHA 45-60%. ISOMER CIS-ALPHA 38-48%. ISOMER BETA-IRONE 0-7%.		

## STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 30 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.

### PRODASYNTH SAS

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