

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
SYNONYMS	5-METHYL-ALPHA-IONONE
FORMULA	C ₁₄ H ₂₂ 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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