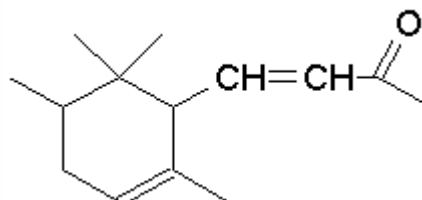


## SPECIFICATION SHEET

**VERSION** 2,00 **VERSION DATE** 09/08/23 **PRINT DATE** 24/04/24

**PRODUCT** IRONE ALPHA FL  
**APPLICATIONS**  
**IUPAC NAME** 4-(2,5,6,6-TETRAMETHYL-2-CYCLOHEXEN-1-YL)-3-BUTEN-2-ONE  
**SYNONYMS** 5-METHYL-ALPHA-IONONE

**FORMULA** C14 H22 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  
**TARIFF NUMBER** 2914230000



**FOOD GRADE CERTIFICATE** AVAILABLE ON REQUEST  
**REACH REGISTRATION NO.** Not available. Substance lawfully placed in the EU market before 1 June 2018.

## SPECIFICATIONS

<b>ASPECT AT 20°C</b>	SLIGHT VISCOUS LIQUID
<b>COLOUR</b>	PALE YELLOW TO PALE AMBER
<b>ODOUR</b>	IRIS, WOODY, SWEET, FLORAL
<b>TASTE</b>	
<b>DENSITY AT 20°C (g / ml)</b>	0,931 - 0,937
<b>DENSITY 25/25</b>	0,930 - 0,936
<b>REFRACTIVE INDEX nD20</b>	1,4990 - 1,5030
<b>REFRACTIVE INDEX nD25</b>	1,4970 - 1,5010
<b>OPTICAL ROTATION (°)</b>	/
<b>BOILING POINT (°C)</b>	109°C (0,36 kPa); 290°C (1 atm)
<b>MELTING POINT (°C)</b>	ca. -50°C
<b>FLASH POINT (°C)</b>	127,00
<b>ASSAY (% GC)</b>	SUM OF TWO ISOMERS > 95 (45-60/38-48)
<b>ACID VALUE (mg KOH/g)</b>	-
<b>SOLUBILITY</b>	SOLUBILITY IN WATER: 32,5 mg/l at 20°C
<b>VAPOUR PRESSURE</b>	0,004 hPa (20°C)
<b>OTHER SOLUBILITIES</b>	SOLUBLE IN ETHANOL

**OTHER TECHNICAL DATA** ISOMER TRANS-ALPHA 45-60%. ISOMER CIS-ALPHA 38-48%. THIS QUALITY MEETS THE REQUIREMENTS OF REGULATION 872/2012 OF EUROPEAN UNION.

## 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.