

**PCW**

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**Technical Data Sheet****IRONE ALPHA**

Manufacture PCW

Reference : IRONE ALPHA

**TECHNICAL DATA**

<i>Ref code :</i>	IAL-1
<i>I.N.C.I. :</i>	5-methyl-alpha-ionone
<i>IUPAC Name :</i>	Cis-4-(2,5,6,6-Tetramethylcyclohex-2-enyl)but-3-en-2-one; 6-Methylionone; 6-Methyl-alpha-ionone; cis-(2,6)-cis-(2(1),2(2))-alpha-Irone; alpha-Irone
<i>Chemical / REACH name :</i>	4-(2,5,6,6-tetramethyl-2-cyclohexen-1-yl)-3-buten-2-one
<i>Molecular formula :</i>	C <sub>14</sub> H <sub>22</sub> O
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic
<i>Origine géographique :</i>	Switzerland
<i>CAS number :</i>	79-69-6
<i>Ionization :</i>	Not submitted to a processing of ionization
<i>GMO (Reg (EC) 1829/2003 &amp; 1830/2003 :</i>	Does not result / does not contain GMO

**ANALYTICAL DATA**

<i>Appearance :</i>	Liquid
<i>Colour :</i>	Pale yellow to pale amber
<i>Odour :</i>	Floral, Woody, Powdery, Light
<i>Density 20/20°C :</i>	[0.933 ; 0.939]
<i>Densité à 20/4°C :</i>	[0,931 ; 0,937]
<i>Relative density @ 25°C :</i>	[0.930 ; 0.936]
<i>Refractive index @ 20°C :</i>	[1.499 ; 1.503]
<i>Indice de réfraction à 25°C :</i>	[1.497 ; 1.501]
<i>Flash point (°C) (close cup) :</i>	127
<i>Somme of isomers (by G.C.) (%) :</i>	97
<i>Peak #1 (%) :</i>	[45.0 ; 60.0]
<i>Peak #2 (%) :</i>	[38.0 ; 48.0]
<i>Peak #3 (%) :</i>	[0.0 ; 7.0]
<i>Peak #4 (%) :</i>	[0.0 ; 3.0]

**COSMETIC REGULAR DATA**

# IRONE ALPHA

<i>Anti-oxydant(s) :</i>	Not added directly
<i>Statut kosher :</i>	In compliance with kosher requirements
<i>Halal status :</i>	Complies with halal requirements
<i>ISO 16128 :</i>	0% of natural origin
<i>Huile de palme ou dérivés :</i>	Does not contain palm oil, palm oil derivatives, palm kernel oil or palm kernel oil derivatives.

## **REGULAR DATA FLAVOURS**

<i>Natural status (Reg. 1334/2008/EC) :</i>	Flavouring substance
<i>Foodgrade certificate :</i>	Not food in Europe - not in compliance with the EU requirements.
<i>Bovine Spongiform Encephalopathy (BSE) :</i>	Free of BSE/TSE risks as no materials of animal origin are used at any stage in the manufacturing process
<i>Vegan :</i>	Does not contain ingredient from animal origin

## **TRANSPORT - HANDLING - STORAGE**

<i>Shelf life :</i>	24 months, according to storage conditions
<i>Custom tariff :</i>	2914 23 00 00
<i>Precautions of use :</i>	Avoid any direct contact with the product.
<i>Storage :</i>	Store at 25°C max. in tightly sealed original container. Avoid prolonged exposure to light, heat and air.

## **LEGISLATION :**

RIFM - ID N° : 336  
TSCA (Toxic Substances Control Act - USA) : Listed  
PICCS (Philippines) : Listed  
NZIoC (New Zealand) : Listed  
NEPA (China) : CB9184594  
DSL (Canada) : Listed  
JECFA n° : 403  
ISHL (Japan) : Low Volume Exemption  
IECSC (China) : Listed  
FLAVIS : 07.011  
FEMA : 2597  
FDA : 172.515  
ENCS (Japan) n° :  
TCSI (Taiwan) : Listed  
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed  
EINECS (EU) : 201-219-6  
KECI : Low Volume Exemption  
COE (Council of Europe) : 145  
AICS (Australian Invent. Chem. Subs.) : Listed  
C.A.S : 79-69-6