

**PCW**

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Technical Data Sheet**ALDEHYDE C18 NATUREL**

Manufacture PCW

Reference : ALDEHYDE C18 NATUREL

1 - TECHNICAL DATA

<i>Ref code :</i>	AC18NAT-1
<i>I.N.C.I. :</i>	Gamma-nonolactone
<i>Botanical name :</i>	-
<i>Description :</i>	Obtained from fermentation of 4-hydroxy nonanoic, which is obtained from castor oil.
<i>Origin raw material :</i>	100% Natural
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic / Flavours
<i>Use level max. recom. :</i>	-
<i>Origine géographique :</i>	-
<i>Water solubility :</i>	No
<i>Molecular formula :</i>	C ₉ H ₁₆ O ₂
<i>Molecular weight :</i>	156.25

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colourless to pale yellow
<i>Odour :</i>	Fruity, coconut, sweet
<i>Relative density @ 25°C :</i>	[0.958 ; 0.970]
<i>Refractive index @ 20°C :</i>	[1.442 ; 1.452]
<i>Optical rotation (°) :</i>	-
<i>Boiling point (°C) :</i>	243
<i>Flash point (°C) (close cup) :</i>	>95
<i>Peroxides value mmol/kg :</i>	-
<i>Purity (%) :</i>	[98 ; 100]
<i>Melamine :</i>	<1 mg/kg
<i>Acid Value :</i>	[0 ; 2]

1.2 - ANALYTICAL DATA SPECIFIC

<i>Pesticides résiduels :</i>	<0.01 mg/kg
<i>Arsenic (As) :</i>	<=3 mg/kg
<i>Cadmium (Cd) :</i>	<=1 mg/kg

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Lead (Pb) : <=10 mg/kg

Mercury (Hg) : <=1 mg/kg

2 - COSMETIC REGULAR DATA

Reg. 1223/2009 & mod. : See certificate

Allergens SCCNFP List : See certificate

CMR (Reg. 1223/2009/EEC) : See certificate

IFRA : No restrictions (50th Am.)

Statut kosher : Certified

Halal status : Certified

ISO 9235 : 100% natural

ISO 16128 : The Natural Index is: In= 1. The Natural Origin Index is: Ino= 1.

CAS number : 104-61-0

Animal testing : This product was not tested on animals.

Nanoparticle : Not concerned

LVP-VOC / INORGANIC /
EXEMPTED VOC (CARB) : 100%

2.1 - REGULAR DATA FLAVOURS

Natural status (Reg.
1334/2008/EC) : Flavouring substance

Food allergens (Reg.
1169/2011/EC) : None

Bovine Spongiform
Encephalopathy (BSE) : Free of BSE/TSE risks as no materials of animal origin are used at any stage in the manufacturing process

Genetically Modified Organisms
(GMO) : Does not result / does not contain GMO

Ionization : Not submitted to a processing of ionization

Vegan : Yes

Foodgrade certificate : Complies with the requirements of Regulations 1334/2008/EC & 872/2012/EC

4 - TRANSPORT - HANDLING - STORAGE

Tunnel codes ADR : /

Shelf life : 12 months, according to storage conditions

Custom tariff : 2932 20 90 90

Precautions of use : Avoid any direct contact with the product.

4.1 - STORAGE

Storage : Store at 25°C max. in tightly sealed original container. Avoid prolonged exposure to light, heat and air.

Transport :

Land Transport ADR/RID : NR Not regulated for transport

Maritime Transport IMDG : NR Not regulated for transport

Marine pollutant : No

Air Transport IATA : NR Not regulated for transport

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LEGISLATION :

AICS (Australian Invent. Chem. Subs.) : Listed
TSCA (Toxic Substances Control Act - USA) : Listed
NZIoC (New Zealand) : Listed
PICCS (Philippines) : Listed
NEPA (China) : CB8157049
DSL (Canada) : Listed
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
JECFA n° : 229
FEMA : 2781
FDA : 172.515
FLAVIS : 10.001
COE (Council of Europe) : 178
EINECS (EU) : 203-219-1
RIFM - ID N° : 305
IECSC (China) : Listed
TCSI (Taiwan) : Listed
ISHL (Japan) : (9)-137
ENCS (Japan) n° : (9)-137
KECI : KE-10736
C.A.S : 104-61-0

Labeling :

H000 - Not classified according to the Regulation 1272/2008/EC