

**PCW**

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Technical Data Sheet**CALAMUS P&N H.E.**

Manufacture PCW

Reference : CALAMUS P&N H.E.

1 - TECHNICAL DATA

<i>I.N.C.I. :</i>	Acorus Calamus
<i>Botanical name :</i>	Acorus calamus L.
<i>Description :</i>	Essential oil 100 % pur & nat. The essential oil of Calamus is obtained by steam distillation of fresh or dried roots of Acorus calamus L.
<i>Origin raw material :</i>	100% natural (Plant source)
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic
<i>Use level max. recom. :</i>	-

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Yellow to brown
<i>Odour :</i>	Bitter, Aromatic
<i>Density 20/20°C :</i>	[1.072 ; 1.086]
<i>Refractive index @ 20°C :</i>	[1.456 ; 1.560]
<i>Optical rotation (°) :</i>	[-2 ; +4]
<i>Boiling point (°C) :</i>	-
<i>Flash point (°C) (close cup) :</i>	85
<i>Peroxides value mmol/kg :</i>	-
<i>Peak #1 (%) :</i>	alpha & beta-Asarone : 90-94%
<i>Peak #2 (%) :</i>	Methyl Eugenol : <0.10%

2 - COSMETIC REGULAR DATA

<i>Statut kosher :</i>	-
<i>Hallal status :</i>	-
<i>CAS number :</i>	8015-79-0 / 84775-39-3
<i>AFNOR / ISO :</i>	/
<i>Allergens SCCNFP List :</i>	See certificate
<i>IFRA :</i>	Restricted (49th Am.)
<i>Reg. 1223/2009 & mod. :</i>	See certificate
<i>CMR (Reg. 1223/2009/EEC) :</i>	See certificate

CALAMUS P&N H.E.

2.1 - REGULAR DATA FLAVOURS

Food allergens (Reg. 1169/2011/EC) : Not food grade

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

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

Natural status (Reg. 1334/2008/EC) : Not food grade

4 - TRANSPORT - HANDLING - STORAGE

Shelf life : 18 months, according to storage conditions

Custom tariff : 3301 29 41 00

Tunnel codes ADR : E

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 : 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III

Maritime Transport IMDG : 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III

Marine pollutant : No

Air Transport IATA : 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III

LEGISLATION :

DSL (Canada) : Listed

COE (Council of Europe) : 13n

AICS (Australian Invent. Chem. Subs.) : Listed

ECL (Corée du Sud) n° : KE-26802

EINECS (EU) : 84775-39-3

ENCS (Japan) n° : Not listed

EPA N° : Listed

FDA : 189.110

FEMA : Not listed

JECFA n° : Not listed

TSCA (Toxic Substances Control Act - USA) : Listed

PICCS (Philippines) : Listed

RIFM - ID N° : 576-A2.12

NDSL/LES (Canada - Non-domestic Substances List) : Not Listed

NZIoC (New Zealand) : Listed

IECSC (China) : Listed

NEPA (China) : CB5367892

ISHL (Japan) : Not listed

ECSI (Taiwan) : Listed

C.A.S : 8015-79-0 84775-39-3

Labeling :

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