GRĒNE

SPECIFICATION SHEET

Pine Douglas France EO ORG

CODE GRENE : 02S/PSEMEN

PRODUCTION :

Organic Douglas fir essential oil is obtained by steam distillation of needles and fresh terminal branches of *Pseudotsuga menziesii* (Mirb.) Franco, (wild or cultivated varieties), of the family : Pinaceae.

COUNTRY OF ORIGIN (harvesting and transformation) : France

QUALITY : Natural I. : 1 / Natural origin I. : 1 / Organic I. : 1 / Organic origin I. : 1

LEGISLATION :

CAS TSCA : /

CAS EINECS : 97926-19-7

EINECS : 308-234-8

FEMA : /

CoE : /

FDA : /

REACH : Importer (quantities < 1t/year)

INCI (Cosing) : PSEUDOTSUGA MENZIESII BRANCH/LEAF OIL

INCI (PCPC) : /

SPECIFICATIONS :

- **Sensory quality :**

Aspect	Liquid
Color	Pale yellow to greenish
Odor	Fresh, fruity

- **Analytical quality :**

Density (20°C)	0,86 - 0,869
Refractive index (20°C)	1,4700 - 1,4800
Optical rotation (20°C)	-30° à -4°
Peroxide index	[< 10 mmols/L;0]

- **Chromatographic profile (main compounds) :**

beta-pinene (127-91-3)
alpha-pinene (80-56-8)
Terpinolene (586-62-9
Sabinene (3387-41-5)

- **Molecules not added in this raw material and not detectable in GC at 100 ppm (only molecules detectable by this methode) :** phtalates, additives, preservatives, antioxidants, formol, nonylphenol, muscs, acrylamide, lyral, lilial, atranol, chloroatranol, asbestos, free amines, formaldehydes, nitroamines, ethylene oxide, triethanolamine, 1,4-dioxane, residual solvents, glycol ether, SVHC.

- **Eucalyptol, menthol, camphor (detection level : 100 ppm in gas chromatography) :** not detected

- **CMR (detection level : 100 ppm in gas chromatography) :** not detected

- **CMR (P65) (detection level : 100 ppm in gas chromatography) :** BETA-MYRCENE (<2.5%)

- **VOC :** please see the chromatography of the raw material enclosed with the certificate of analyses.

- **Furocoumarins :** this essential oil is not known to contain furocoumarins. Moreover, it is not listed in the IFRA standard "Citrus oils and other furocoumarins containing essential oils."

- **Animal tests :** according to the 1223/2009/CE regulation, we have not carried out tests on animals with this raw material.

- **BSE :** this raw material is not concerned by the BSE hazard (Bovine Spongiform Encephalopathy)

- **GMO :** this raw material has not been subjected to, or derived from, any technique of genetic modification and that none of the materials used in the preparation or manufacture of the materials has been subjected to, or derived from, any technique of genetic modification.

- **Allergens :** certificate on request

- **1223/2009/EC regulation :** certificate on request

- **IFRA :** certificate on request

- **Other information :** this raw material has not been ionised and no nanomaterial has been used during its production and packing. Product certified organic by ECOCERT (certificate on request)

- **Vegan:** This raw material contains no animal ingredients or by-products.

- **Palm Oil:** This raw material contains no palm oil.

PACKAGING, STORAGE, SHELF LIFE :

HDPE drum

Ambient temperature

36 Months