



NHR ORGANIC OILS
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Product Specification

Organic Dwarf Pine Needle Essential Oil

(Pinus mugo)

1 - IDENTIFICATION

Type of product : Organic Essential Oil
Botanical name : Pinus mugo Turra (Syn : Pinus pumilio Haenke)
Part of plant : Needle
Process : Distillation
Natural content : 100,00 %

Preservative agent / Antioxidant / Preservative :

Designation	N° CAS	%
None	None	None

Carrier :

Designation	N° CAS	%
None	None	None

2 - PRODUCT CERTIFICATIONS

Kosher certification : No
Halal certification : No
Others : No
ORGANIC: Coming from organic farming, certified by Soil Association

3 - ORGANOLEPTIC AND ANALYTICAL DATA

Odour : Typical of pine needles
Appearance : Liquid
Color : Light yellow
Specific gravity (D20/20) : 0,8500 / 0,880
Refractive Index (ND20) : 1,4700 / 1,4850
Optical Rotation at 20 °C : -15,0000 / -4,0000 °

GC profile (area%) :	Conforms to standard
GC(area%) Pinene alpha :	07,00 / 22,00 %
GC(area%) Pinene Beta :	2,00 / 14,00 %
GC(area%) Carene delta-3 :	12,00 / 30,00 %
GC(area%) Myrcene Beta :	3,00 / 15,00 %
GC(area%) Limonene :	3,00 / 14,00 %
GC(area%) Phellandrene Beta :	08,00 / 20,00 %

4 - REGULATION

INVENTORIES	
N° CAS TSCA :	8000-26-8
N° CAS EINECS :	90082-73-8
N° EC :	290-164-1

Country inventories	Listed	Country inventories	Listed
TSCA Active	Yes	ISHL	Yes
EINECS	Yes	KECI	Yes
AIIC	Yes	PICCS	Yes
DSL	No	NzLOC	Yes
nDSL	Yes	TCSI	Yes
IECSC	Yes		

Food allergens (EC Regulation n° 1169/2011) : None

INVENTORIES :

N° FEMA : 2904

N° CoE : 339

N° FDA : 172.510

FRAGRANCE AND COSMETIC

INCI name (CosIng) :	100% PINUS PUMILIO BRANCH/LEAF OIL (Syn : PINUS MUGO LEAF OIL)
INCI name (PCPC) :	100% PINUS PUMILIO BRANCH/LEAF OIL (Syn : PINUS MUGO LEAF OIL)
INCI IECIC :	PINUS PUMILIO OIL (Syn: PINUS PUMILIO BRANCH / LEAF OIL)

5 - PACKAGING, HANDLING, STORAGE AND SHELF LIFE

Store in the original closed container ambient temperature between 15°C and 25°C protected from air and light.

All packaging is approved for food contact according to current European regulation.