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## Hempseed Oil, Pressed

**PRODUCTION DESCRIPTION:** Hemp (*cannabis sativa* L.) was already cultivated in China well over 6,000 years ago and widely spread in Europe since the 8<sup>th</sup> century BC. Hemp cultivation in Europe and America was a domain a classical farming before the World Wars. The more than four meter high stalks produce long and strong fabrics. The seeds contain around 26-35% oil which is a brownish-yellow, green-yellow or dark-yellow color with a seedy mild and slightly hay like odor and taste. The oil is purely mechanically pressed at low temperatures and in a final step mechanically filtered. There is no after treatment (desodorization, refining).

### PROPERTIES:

Density (20°C)	0,923-0,927
Refractive index (20°C)	1,4751-1,479
Acid value	max. 5,0
Iodine value	150-170
Saponification value	189-194

### Fatty Acid Composition:

Palmitic acid	C 16:0	4 – 8 %
Stearic acid	C 18:0	1 - 4 %
Oleic acid	C 18:1	9 – 18 %
Linoleic acid	C 18:2	50 – 65%
Linolenic acid	C 18:3	14 – 25 %
Linolenic acid	C 18:3	max. 4%
Parinar acid	C 18:4	max. 1,5 %
Arachidic acid	C 20:0	max. 1,5 %
Gadoleic acid	C 20:1	max. 1,0 %
Behenic acid	C 22:0	max. 0,6 %
Others		max. 1,5 %

**Storage:** Light protected, at constant temperature, not above room temperature, in tightly sealed containers (nitrogen blanketed).

**Usage:** The high content in unsaturated fatty acids (mono-unsaturated around 15% and poly-unsaturated about 75%) makes Hemp Oil one of the especially valuable light natural oils (salad, raw vegetables). The cosmetic and pharmaceutical industries value Hemp Oil increasingly for its fatty acid composition (y-

linolenic acid) as well as the positive image. Hemp Oil possesses drying properties and is thus used in the manufacture of printing and oil paint.

**PRODUCT: HEMP OIL PRESSED ORGANIC**