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**PRODUCT SPECIFICATION**

-Standard Specification-

HEMP OIL, PRESSED

Master Art. No. 68920

Origin and production:

Hemp (*cannabis sativa* L.) was already cultivated in China well over 6.000 years ago and widely spread in Europe since the 8th century BC. Hemp cultivation in Europe and America was a domain of 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 of brownish-yellow, green-yellow or dark-yellow color with a seedy mild and slightly haylike odor and taste. The oil is purely mechanically pressed at low temperatures and in a final step mechanically filtered. There is no aftertreatment (desodorization, refining).

	min.	max.	
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Chemical Data:

Specific gravity (20 degree C)	0.923	0.927	
Refractive index (20 degree C)	1.475	1.479	
Acid value		4.0	
Iodine value	150	170	
Saponification value	189	194	

Fatty acid composition				
Palmitic acid	C 16:0	4.00	8.00	%
Stearic acid	C 18:0	1.00	4.00	%
Oleic acid	C 18:1	9.00	18.00	%
Linoleic acid	C 18:2	50.00	65.00	%
alpha-Linolenic acid	C 18:3	14.00	25.00	%
gamma-Linolenic acid	C 18:3		4.00	%
Octadecatetraen acid	C 18:4		1.50	%
Arachidic acid	C 20:0		1.50	%
Eicosenoic acid	C 20:1		1.00	%
Behenic acid	C 22:0		0.60	%

Registrations:

CAS-No. 89958-21-4 EINECS-No: 2896443 INCI (CTFA): Cannabis Sativa Seed Oil

Storage:

Light protected, not above room temperature, in tightly sealed containers (nitrogen blanketed). Once open to be used immediately.

Usage:

The high content in unsaturated fatty acids (mono-unsaturated around 15 % and poly-unsaturated about 75 %) make Hemp Oil one of the especially valuable light natural oils (salads, raw vegetables).

The cosmetic and pharmaceutical industries value Hemp Oil increasingly for its fatty acid composition (gamma-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.

This specification was developed with utmost care based on up-to-date information available, but should also be scrutinised by the recipient. It does not release him from checking the quality of the goods delivered with proper diligence.