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## Product Specifications

### HEMP OIL, PRESSED

CAS 89958-21-4

**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 part of classical farming before the World Wars. At more than four meters high, the stalks produce long and durable fabrics. The seeds contain around 26-35% oil, are brownish-yellow, green-yellow or dark-yellow in color and have a mild and slightly hay-like odor and taste. The oil is mechanically pressed at low temperatures and in a final step mechanically filtered. There is no after treatment (i.e. deodorization, refining).

<i>Test</i>	<i>Specification</i>	
	<u>Min.</u>	<u>Max.</u>
Sp Gr (20 °C)	0.923	0.927
RI, $\eta_D^{20\text{ }^\circ\text{C}}$	1.475	1.479
Acid value		4.0
Iodine value	150	170
Saponification value	189	194
<b><u>Fatty Acid Composition:</u></b>	4.0%	8.0%
Palmitic acid C (16:0)	1.0%	4.0%
Stearic acid C (18:0)	9.0%	18.0%
Oleic acid C (18:1)	50.0%	65.0%
Linoleic acid C (18:2)	14.0%	25.0%
$\gamma$ -Linolenic acid C (18:3)		4.0%
Octadecatetraen acid C (18:4)		1.5%
Arachidic acid C (20:0)		1.5%
Eicosenoic acid C (20:1)		1.0%
Behenic acid C (22:0)		0.6%

**Storage:** Protect from light. Maintain at or below room temperature, in tightly sealed containers (nitrogen blanketed). Once opened product should be used immediately.

**Usage:** The high content of unsaturated fatty acids (mono-unsaturated around 15% and poly-unsaturated around 75%) makes Hemp Oil one of the most valuable light natural oils. The cosmetic and pharmaceutical industries increasingly value Hemp Oil for its fatty acid composition ( $\gamma$ -Linolenic acid). Hemp Oil possesses drying properties and is used in the manufacturing of printing and oil paint.