



Hemp Seed Oil

INCI: Cannabis Sativa (Hemp) Seed Oil

Product ID: OILHEMPEXPREFEU742

Specifications

Analytical Details

Appearance:

Color (Gardner):

Acid Value:

Peroxide Value:

Anisidine Value:

Totox Value:

Moisture:

Saponification Value:

Unsaponifiable Matter:

Refractive Index (20 °C):

Specific Gravity (20 °C):

Δ9 THC (Total Impurities):

Methods

Visual

DIN 5033

ISO 660

ISO 3960

ISO 6885

Calculated

AOCS Ca 2e:84(09)

ISO 3657

ISO 3596

ISO 6320

ISO 6883

SAM/GRHEMPO

Specifications

Clear Pale Yellowish Oil

≤ 7.0

≤ 1.0 mg KOH/g

≤ 3.0 meq/kg

≤ 15.0

≤ 21.0

≤ 0.1%

188.0 - 194.0 mg KOH/g

≤ 2.5%

1.470 - 1.482

0.923 - 0.930 g/mL

≤ 7.5 ppm

Fatty Acid Profile

< C16:0:

C16:0 Palmitic:

C18:0 Stearic:

C18:1 Oleic:

C18:1 Cis-Vaccenic:

C18:2 Linoleic:

C18:3 Alpha Linolenic:

C18:3 Gamma Linolenic:

Others:

In-House Method

In-House Method

In-House Method

In-House Method

In-House Method

In-House Method

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≤ 0.3%

4.0 - 8.0%

1.0 - 4.0%

5.0 - 20.0%

≤ 2.0%

46.0 - 65.0%

14.0 - 28.0%

≤ 5.0%

1.0 - 5.0%

Persistent Organic Pollutants

Benzo(a)pyrene:

Sum of B(a)P, B(a)A, B(b)F, Chrysene:

Sum of Dioxins and Furans (WHO-PCDD/F-TEQ/g):

Sum of Dioxins, Furans, Dioxin-like

PCBs (WHO-PCDD/F-PCB-TEQ/g):

PCB's (Sum 28, 52, 101, 138, 153, 180)

(Total 6 DIN-PCB):

QMP504-VW-401

QMP504-VW-401

GLS DF 110, GC-MS

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≤ 1.0 µg/kg

≤ 10.0 µg/kg

≤ 0.75 pg/g

≤ 1.25 pg/g

≤ 40.0 ng/g

NATURAL SOURCING®

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**Heavy Metals**

Lead:	ICPMS	≤ 0.1 mg/kg
Cadmium:	ICPMS	≤ 0.05 mg/kg
Mercury:	ICPMS	≤ 0.05 mg/kg
Arsenic:	ICPMS	≤ 0.1 mg/kg

Microbiological

Total Viable Count:	TP/006	≤ 1000 cfu/g
Yeast & Mold:	TP/008	≤ 100 cfu/mL
E. Coli:	TP/016	Not Detected
Salmonella:	TP/018	Not Detected
S. Aureus:	TP/012	Not Detected

Shelf Life: 1 Year

Storage: Store in a cool and dry place. Avoid light and heat. Cover with nitrogen after opening and close the container tightly.

Note: Pesticide residues are tested annually on a random batch and are in accordance with European Food Law.

Date: 06/06/2024

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