



## CERTIFICATE of ANALYSIS

### SPECIFICATION: CBD Hemp Oil

LOT: F231403

#### BOTANICAL PROFILE:

Genus : Cannabis

**Trace Narcotic:** Tetrahydrocannabinol Delta-9 (THC): none-detected (or)

**Reject Threshold:** Maximum of 0.02% if THC any detected (2000 parts per million or less)

**Moisture Level:** 1% or less

Cannabidiol	1.23%
Cannabinol	nd
Delta 9-THC	nd
THC-A	nd

**Fat (all)** 99% or better

**-Unsaturated** 90%

-palmitoleic (C16:1) 0.12% of fat portion

-oleic (C18-:1) 10.0 – 12.0% of fat portion

-linoleic (W6) C18:2) 55.0 – 60.0% of fat portion

-alpha-linolenic (W3) C18:3) 16.0 – 20.0% of fat portion

-gamma linolenic (GLA)C18:3) 2.5% - 3.0% of fat portion

-stearidonic (W3) (C18:4) 1.20% of fat portion

-eicosanoic(EPA) (20:1) 0.50% of fat portion

**-Saturated** 9%

-palmitic (C16:0) 6.5 % of fat portion

-margaric Acid (C17:0) 0.03% of fat portion

-arachidic (C20:0) 0.40% of fat portion

-behenic Acid (C22:0) 0.20% of fat portion

-lignoceric (C24:0) 0.06% of fat portion

-stearic (C18:0) 2.0 – 3.0% of fat portion

Vitamin E: 100-150 mg per 100-gram sample

Sterols: 478 mg per 100-gram sample

Tocopherols: 92.1 mg/100 gram sample

Chlorophyll: 20 – 50 ppm

Peroxide Value (PV): 5.0 or less

Free Fatty Acids (FFA): 1.5 or less

Anisidine (Poly Fats): 30 or less

Ideal Storage Temperatures: -10 C (14 deg F) LOW (Best Level)

Permissible Maximum: +25 C (75 degrees F) High (Worst Level)

  
Quality Assurance      Date 7/28/14

**Nutrition Facts**

**Serving Size: 1/4 Teaspoon (1 mL)**

**Servings per Container: About 252**

	Amount Per Serving	% Daily Value
Calories	8	
Calories from Fat	8	
<b>Total Fat</b>	1 g	22%
Saturated Fat	0.08 g	5%
Trans Fat	0 g	
Polyunsaturated Fat	0.079 g	
Monounsaturated Fat	0.14 g	
<b>Cholesterol</b>	0 mg	0%
<b>Sodium</b>	0 mg	0%
<b>Total Carbohydrate</b>	0 mg	0%
<b>Protein</b>	0 g	

**Not a significant source of dietary fiber, sugars, vitamin A, vitamin C, calcium or iron.**

***Other Ingredients: Raw, organic, unrefined hempseed oil.***

# MATERIAL SAFETY DATA SHEET

## CHEMICAL ADJUVANTS:

Fungicides: non permitted

Pesticides: non detected (or below Health levels for oilseed foodstuffs)

Heavy Metals non-detected (or below HC levels for oilseed foodstuffs)

**HAZARDOUS COMPONENT / INGREDIENT IDENTIFICATION:** No hazardous ingredients.

## PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT: 383 (deg C)

VAPOR PRESSURE (MM HG): n/a

VAPOR DENSITY (AIR=1): n/a

SPECIFIC GRAVITY (H2O=1): 0.9333

SOLUBILITY IN WATER: percent water soluble; 0

APPEARANCE AND ODOR: A greenish/brown liquid with a mild odor and nutty taste.

FLASH POINT: >95 TCC method used

FLAMMABLE: Yes. With air, at or above the flashpoint

EXTINGUISHING MEDIA: CO<sub>2</sub>, foam, water fog, sand or dry chemical, water as a last resort.

SPECIAL FIRE FIGHTING PROCEDURES: Need self-contained breathing apparatus. Use water to keep containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Oil soaked rags or paper are subject to spontaneous combustion.

## REACTIVITY DATA:

STABILITY: stable

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: carbon monoxide, carbon dioxide.

## HEALTH HAZARD DATA:

ROUTES OF ENTRY: INHALATION: yes SKIN: yes INGESTION: yes

HEALTH HAZARDS: ACUTE: Ingestion; nausea, vomiting, diarrhea. Skin Absorption; not relevant. Skin contact; no irritation. Eye Contact; slight irritation. Inhalation; irritation.

CHRONIC:

Ingestion; no information.

Skin absorption; not relevant.

Skin contact; not relevant.

Eye Contact; no information.

Inhalation; no information.

IRRITANCY OF MATERIAL: Irritant

EXPOSURE LIMIT OF MATERIAL: 1993-4 (ACGIH) mist: 5 mg/m(3)

CARCINOGENICITY: Not listed and not expected.

EMERGENCY AND FIRST AID PROCEDURES:

EYE: Flush eye and surrounding skin with a large volume of water, using an eye-wash fountain for at least 15 minutes. Thoroughly rinse under lids.

SKIN: Remove contaminated clothing and wash area well with soap and water.

INGESTION: Do not induce vomiting. Keep person warm and quiet until seen by medical personnel. Guard against aspiration into the lungs.

INHALATION: Remove to fresh air. If breathing has stopped administer artificial respiration and seek medical attention.

## PRECAUTIONS FOR SAFE HANDLING AND USE:

WASTE DISPOSAL METHOD: In accordance with municipal, provincial & federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: No special handling required.

OTHER PRECAUTIONS: Store in a cool well ventilated location away from ignition sources. Keep container tightly closed.

**CONTROL MEASURES:**

**VENTILATION:** Good ventilation (typically 10 air changed per hour). Supplementary local exhaust ventilation, close

systems, respiratory protective may be needed in special circumstances such as poorly ventilated spaces, mechanical

generation of dusts, heating, drying, etc.

**PROTECTIVE GLOVES:** Wear vinyl or neoprene gloves.

**EYE PROTECTION:** Splash proof chemical goggles and face shield.

**FOOTWEAR:** Neoprene boots

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Respirator: wear a properly fitted NIOSH/MSHA approved air purifying full face respirator with organic vapor canister. Clothing: wear impervious protective clothing.

**WORK AND/OR HYGIENIC PRACTICES:** Maintain a sink, an eye bath, safety shower in the work area. Use common sense, and good hygiene.

**Seasonal & Regional Variances**

Values of all prior listed properties may alter from year-to-year depending on climate changes, storage and handling of seed.

**NOTES:** Any variance or significant deviation in test results of hemp seed delivered when compared to typical seed properties benchmark is subject to a contract amendment. Any significant deviation in specifications prior to acceptance must be expressly agreed to by the Meta Labs Purchasing Department. Any amendment or substandard property to the standard becomes an "amended specification." Prior approval is required in writing for any specification change and is required as a contractual condition-precedent to any issued purchase order. Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date prepared. Meta Labs makes no representations as to the completeness or accuracy thereof. Information is provided upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Meta Labs be responsible for damages of any nature whatsoever resulting from use of or reliance upon said information presented herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers.

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