

CBD EXPORTS

CLIENT'S COPY

MALTEPE MAHALLESİ, DAVUTPAŞA ÇİFTEHAVUZLAR CD NO:9, 34010  
ZEYTİNBURNU/İSTANBUL

*J.N THE NAME OF ALLAH*

10-04-2018

**LABORATORY ANALYSIS FOR 99% CBD Isolate:**

**99% HIGH PURITY WATER SOLUBLE NATURAL  
HEMP EXTRACT  
10% CANNABIDIOL CBD ISOLATE POWDER**

**Product Information**

Product Name: Cannabidiol Isolate

Chemical Name: 2-[1R-3-methyl-6R-(1-methylethenyl)

-2-cyclohexen-1-yl]-5-pentyl-1

CAS Number: 13956-29-1

Molecular Formula: C<sub>21</sub>H<sub>31</sub>O<sub>2</sub>

Molecular Weight: 314.45

Melting point: 66-67°C

Source: Extraction

CBD is a natural botanical concentrate. Decades of research indicate that CBD interact with the body's system, a complex system that contributes to a variety of biological processes like inflammation responses, relaxation, sleeping, and appetite. It can be used in medicine, health care products, food and daily chemical products, etc. as active ingredients.

We have very strict quality standard for CBD production.

We formulate and implement the quality standard of the product purity, impurity limit, heavy metals limit, pesticide residues, solvent residue and hygiene, etc. according to the requirements of the CP, JP, USP, EP and ICH.

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## Specification

CBD Specification:

1. CBD Crystal 95%, 99%

Appearance: White or light yellow resin or crystal.

It is almost insoluble in water or 10% sodium hydroxide solution, but can dissolve in ethanol, methanol, diethyl ether, benzene, chloroform and petroleum ether.

2. CBD Oil 50%,60%,70%

Appearance: Brown paste or oil.

It is almost insoluble in water or 10% sodium hydroxide solution, but can dissolve in ethanol, methanol, diethyl ether, benzene, chloroform and petroleum ether.

3. Water soluble CBD 10%

Appearance: White or light yellow resin or crystal.

This proprietary formulation has been designed for optimum bioavailability and maximum absorption.

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Items	Specification	Test Result
Fatty Acid Profile	Saturated Fat	8.86 g/100g
	Mono-Unsaturated Fat	11.83 g/100g
	Multi-Unsaturated Fat	72.25 g/100g
	Saturated Fatty Acid	8.47 g/100g
	Mono-Unsaturated	11.32 g/100g
	Multi-Unsaturated	69.12 g/100g
	$\omega$ -3 Fatty Acid	16.10 g/100g
	$\omega$ -6 Fatty Acid	53.02 g/100g
	$\omega$ -9 Fatty Acid	11.23 g/100g
Physical & Chemical Control		
Appearance	Green Yellow Oil	Complies
Acid Value(as fat)(as KOH)	$\leq 2.0$ mg KOH/g	1.6 mg KOH/g
Peroxide Value	/	0.12 g/100g
Moisture & Volatile	$< 0.5\%$	0.09%
Contaminants		
Lead	$\leq 0.2$ ppm	$< 0.2$ ppm
As	$\leq 0.2$ ppm	$< 0.2$ ppm
Mercury	$\leq 0.005$ ppm	$< 0.005$ ppm
Cd	$\leq 0.05$ ppm	$< 0.05$ ppm
THC(ppm)	Not Detected	Complies
PAH Light	$\leq 5$ ppb	$< 5$ ppb
Microbiological Control		
Total aerobic count	$\leq 1000$ cfu/g	$< 10$ cfu/g
Yeast & Mold	$\leq 50$ cfu/g	$< 3$ cfu/g
Aflatoxin	$< 2$ ug/kg	0.25 ug/kg
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus Aureus	Negative	Negative
Conclusion	Conform with specification, Non-GMO, Allergen Free, TSE/BSE Free.	
Storage	Stored in cool & dry place,keep away from strong light & heat.	
Shelf Life	One Year when stored properly.	

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## Function and Application

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### Main Function of CBD Hemp Oil:

1. Good for Heart Health;
2. Supports Healthy Skin, Hair, and Nails;
3. Excellent Nutrition for Your Brain;
4. It's a Mercury-Free Fatty Acid Supplement;
5. Supports the Immune System.

### Main Application of CBD Hemp Oil:

1. Applied in pharmaceutical field;
2. Applied in health food field.

## Packing and Storage

1kg with double plastic container inside/Aluminum foil bag ;  
25kg with double plastic container inside/Fiber drum outside.Or as your request.

Shipped in 3 days after payment.

- 1.Stored in a cool and dry well-closed container and in ventilated area.
- 2.kept away from moisture and strong light or high temperature.
- 3.Two years under well storage situation and stored away from direct sun light.

**The above analysis shows a full analysis result of our CBD Isolate.**

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LABORATORY TECHNICIAN

M.ABUL ALI – LAB TECH

ISTANBUL - TURKEY