

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name: Hemp Drops 2000 mg  
CBD DC  
Product Type: Liquid  
CAS #: 89958-21-4  
Batch Number: Batch 315  
Manufacture Date: 6/12/2021



### Sample Information

Sample Number: Batch 315  
Sample Received: 6/12/2021  
Sample Condition: Suitable  
Start of Analysis: 6/12/2021  
Report Created: 6/12/2021

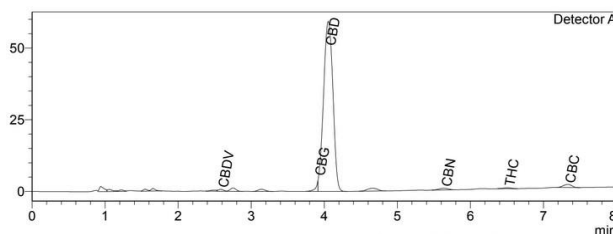
### SUMMARY

**TOTAL CBD\*** 20.401 **TOTAL THC\*** 0.050

### Quantitative Results

Compound Name	Concentration, w/w %
<b>CBDV</b> - Cannabidivarin	0.099
<b>CBDA</b> - Cannabidiolic acid	ND
<b>CBGA</b> - Cannabigerolic acid	ND
<b>CBG</b> - Cannabigerol	0.298
<b>CBD</b> - Cannabidiol	20.401
<b>THCV</b> - Tetrahydrocannavarin	ND
<b>CBN</b> - Cannabinol	0.108
<b>CBC</b> - Cannabichromene	0.322
<b>THC</b> - $\Delta$ 8-Tetrahydrocannabinol	ND
<b>THC</b> - $\Delta$ 9-Tetrahydrocannabinol	0.050
<b>THCA</b> - $\Delta$ 9-Tetrahydrocannabinolic acid	ND

### Chromatogram



Units and abbreviations: **w/w %** = weight percent, **ND** = the measured value was below the limit of quantification of 0.001 %

\*For the calculations of the equivalence sums, the respective acid forms were multiplied by the factor of 0.877 and 0.878, respectively, to infer the equivalent amount of the neutral forms.

### Instrumental and analytical conditions:

Sample preparation: 0.01 g ( $\pm$ 0.00001) of homogenous sample was diluted with 1 mL of HPLC grade methanol. Diluted sample was mixed, vortexed and centrifuged. Then the mixture was diluted again to a final concentration of 0.1 mg/mL. Peak identification and quantification was performed by comparing retention times and UV absorption spectra of the samples with those of the standard solutions.

Equipment: Quantitative analysis was performed using Shimadzu Cannabis Analyzer for Potency - an integrated HPLC system with built-in sample cooler, degasser, autoinjector and UV detector. NexLeaf CBX for potency, 2.7  $\mu$ m, 4.6 x 150 mm column coupled with NexLeaf CBXGuard column was eluted. Data was analyzed using Shimadzu LabSolutions software.

The results within this report apply only to the product tested and batched under the batch number identified above. The uncertainty of measurement associated with the measurement result reported in this certificate is available from the organization upon request. These test results are for the exclusive use of the above named individual or entity. The document does not substitute any other legal document.

### Date Issued:

6/12/2021

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name: Hemp Drops 2000 mg  
 CBD DC  
 Product Type: Liquid  
 CAS #: 89958-21-4  
 Batch Number: Batch 315  
 Manufacture Date: 6/12/2021



### Sample Information

Sample Number: Batch 315  
 Sample Received: 6/12/2021  
 Sample Condition: Suitable  
 Start of Analysis: 6/12/2021  
 Report Created: 6/12/2021

### TERPENES

Analyzed by GC/FID

Compound Name	Conc., w/w %	Quantity, mg/g	Relative Concentration
Alpha-Pinene	0.343	3.43	0.343
Camphene	ND	ND	0.000
Beta-Myrcene	0.304	3.04	0.304
Beta-Pinene	0.056	0.56	0.056
Delta-3-Carene	ND	ND	0.000
Alpha-Terpinene	ND	ND	0.000
Ocimene 1	ND	ND	0.000
D-Limonene	0.587	5.87	0.587
p-Cymene	ND	ND	0.000
Ocimene 2	ND	ND	0.000
Eucalyptol	ND	ND	0.000
γ-Terpinene	0.007	0.07	0.007
Terpinolene	ND	ND	0.000
Linalool	0.112	1.12	0.112
Geraniol	ND	ND	0.000
Beta-Caryophyllene	0.377	3.77	0.377
Alpha-Humulene	ND	ND	0.000
Guaiol	ND	ND	0.000

Units and abbreviations: **w/w %** = weight percent, **ND** = the measured value was below the limit of quantification of 0.001 %

Instrumental and analytical conditions:

Sample preparation: 0.05 g (±0.00001) of homogenous sample was weighted in GC 20 ml vial. Equipment: Quantitative analysis was performed using Shimadzu GC system which consists of HS sampler, gas chromatograph and FID detector. Capillary column used for analysis - Rxi-624Sil Ms, 30 m x 0.32 mmID x 1.8 µm df. Hydrogen was used as carrier gas. Oven temperature range was set within 100 - 230 °C. Data was analyzed using Shimadzu LabSolutions software.

The results within this report apply only to the product tested and batched under the batch number identified above. The uncertainty of measurement associated with the measurement result reported in this certificate is available from the organization upon request. These test results are for the exclusive use of the above named individual or entity. The document does not substitute any other legal document.

**Date Issued:**

6/12/2021

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name: Hemp Drops 2000 mg  
CBD DC  
Product Type: Liquid  
CAS #: 89958-21-4  
Batch Number: Batch 315  
Manufacture Date: 6/12/2021



### Sample Information

Sample Number: Batch 315  
Sample Received: 6/12/2021  
Sample Condition: Suitable  
Start of Analysis: 6/12/2021  
Report Created: 6/12/2021

### RESIDUAL SOLVENTS

Element Name	LOQ, PPM	Limit, PPM	Results of Testing	Status
Acetone	50	500	<LOQ	Pass
Butyl acetate	50	500	<LOQ	Pass
1-Butanol	50	500	<LOQ	Pass
2-Butanol	50	500	<LOQ	Pass
Ethanol	50	500	<LOQ	Pass
Ethyl acetate	50	500	<LOQ	Pass
Diethyl ether	50	500	<LOQ	Pass
n-Heptane	50	500	<LOQ	Pass
Isobutanol	50	500	<LOQ	Pass
1-Propanol	50	500	<LOQ	Pass
2-Propanol	50	500	<LOQ	Pass
Propyl acetate	50	500	<LOQ	Pass
n-Pentane	50	500	<LOQ	Pass
1-Pentanol	50	500	<LOQ	Pass

Units and abbreviations: **LOQ** = limit of quantification, **PPM** = parts per million

#### Instrumental and analytical conditions:

Sample preparation: 0.05 g ( $\pm 0.00001$ ) of homogenous sample was weighted in GC 20 ml vial.

Equipment: Quantitative analysis was performed using Shimadzu GC system which consists of HS sampler, gas chromatograph and FID detector. Capillary column used for analysis - Rxi-624Sil Ms, 30 m x 0.32 mmID x 1.8  $\mu$ m df. Hydrogen was used as carrier gas. Oven temperature range was set within 35 - 110 °C. Data was analyzed using Shimadzu LabSolutions software.

The results within this report apply only to the product tested and batched under the batch number identified above. The uncertainty of measurement associated with the measurement result reported in this certificate is available from the organization upon request. These test results are for the exclusive use of the above named individual or entity. The document does not substitute any other legal document.

#### Date Issued:

6/12/2021

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name: Hemp Drops 2000 mg  
CBD DC  
Product Type: Liquid  
CAS #: 89958-21-4  
Batch Number: Batch 315  
Manufacture Date: 6/12/2021

### HEAVY METALS

Parameter	Method	LOQ	Limit	Results of Testing	Status
Cadmium (Cd) mg/kg	Ph. Eur. 2.4.27	0.001	2	<0.001	Pass
Lead (Pb) mg/kg	Ph. Eur. 2.4.27	0.05	2	<0.05	Pass
Arsenic (As) mg/kg	Ph. Eur. 2.4.27	0.01	2	<0.01	Pass
Mercury (Hg) mg/kg	Ph. Eur. 2.4.27	0.0006	10	<0.0006	Pass

Units and abbreviations: **LOQ** = limit of quantification.

### MYCOTOXINS

Parameter	Method	LOQ	Limit	Results of Testing	Status
Aflatoxin B1 µg/kg	Ph. Eur. 2.8.18	0.1	20	<0.1	Pass
Aflatoxin (sum of B1 + B2 + G1 + G2) µg/kg	Ph. Eur. 2.8.18	1.4	20	<1.4	Pass
Ochratoxin A µg/kg	VA45119, Ph. Eur. 2.8.22; Ph. Eur. 2.2.29	0.25	20	<0.25	Pass

Units and abbreviations: **LOQ** = limit of quantification.

### MICROBIALS

Parameter	Method	Limit	Results of Testing	Status
Yeasts CFU/g	LST ISO 21527-2:2008	<10	<10	Pass
Moulds CFU/g	LST ISO 21527-2:2008	<10	<10	Pass
Salmonella spp.	LST EN ISO 6579-1:2017	ND	ND	Pass
E. Coli CFU/g	LST ISO 16649-2:2002	ND	ND	Pass

Units and abbreviations: **CFU** = Colony-forming unit, **ND** = not detected

These test results are for the exclusive use of the above named individual or entity. The document does not substitute any other legal document.

**Date Issued:**

6/12/2021

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name: Hemp Drops 2000 mg  
CBD DC  
Product Type: Liquid  
CAS #: 89958-21-4  
Batch Number: Batch 315  
Manufacture Date: 6/12/2021

### PESTICIDES

Name	Method	Results of Testing	Status
Full list below	LST EN 15662:2018	All below limit	Pass

#### ORGANOCHLORINE PESTICIDES

Aldrin; HCH alpha isomer; Chlordane, cis; HCH beta isomer; Chlordane, trans; HCH delta isomer; Chlorfenson; Heptachlor; Chlorothalonil; Heptachlor epoxide, cis; DDD-o,p'; Heptachlor epoxide, trans; DDD-p,p'; Hexachlorobenzene (HCB); DDE-o,p'; Isodrin; DDE-p,p'; Lindane (HCH gamma isomer); DDT-o,p'; Methoxychlor; DDT-p,p'; Metolachlor; Dicofof; Mirex; Dieldrin; Oxychlordane (Octachlorepoxyde); Endosulfan alpha isomer; Pentachloroaniline; Endosulfan beta isomer; Quintozene; Endosulfan sulphate; Tecnazene; Endrin; Vinclozolin; Fenson.

#### ORGANOPHOSPHORUS PESTICIDES

Azinphos-ethyl; Methacrifos; Azinphos-methyl; Methamidophos; Bromophos; Methidathion; Bromophos-ethyl; Mevinphos; Carbophenothion; Omethoate; Chlorfenvinphos; Paraoxon-methyl; Chlorpyrifos; Parathion; Chlorpyrifos-methyl; Parathion-methyl; Diazinon; Phenthoate; Dichlofenthion; Phorate; Dichlorvos (DDVP); Phosalone; Ethion; Phosmet; Etrimfos; Phosphamidon (sum of isomers); Fenchlorphos; Pirimiphos-ethyl; Fenitrothion; Pirimiphos-methyl; Fensulfothion; Profenofos; Fenthion; Propetamphos; Fonofos; Pyrazophos; Heptenophos; Pyridaphenthion; Isofenphos; Quinalphos; Malaoxon; Sulfotep; Malathion; Thiometon; Mecarbam.

#### PYRETHROIDS

Bifenthrin; Fluralinate-tau; Cypermethrin (sum of isomers); Permethrin (sum of isomers); Fenvalerate (sum of isomers); Tetramethrin (sum of isomers).

#### OTHER PESTICIDES

Captan; Procymidone; Dichlofluanid; Propachlor; Folpet; Propiconazole (sum of isomers); Metalaxyl and Metalaxyl-M (sum of isomers); Propyzamide; Metribuzin; Simazine; Myclobutanil; Terbutylazine; Nuarimol; Tetrasul; Penconazole; Trifluralin; Pirimicarb.

The results within this report apply only to the product tested and batched under the batch number identified above. The uncertainty of measurement associated with the measurement result reported in this certificate is available from the organization upon request. These test results are for the exclusive use of the above named individual or entity. The document does not substitute any other legal document.

Date Issued:

6/12/2021