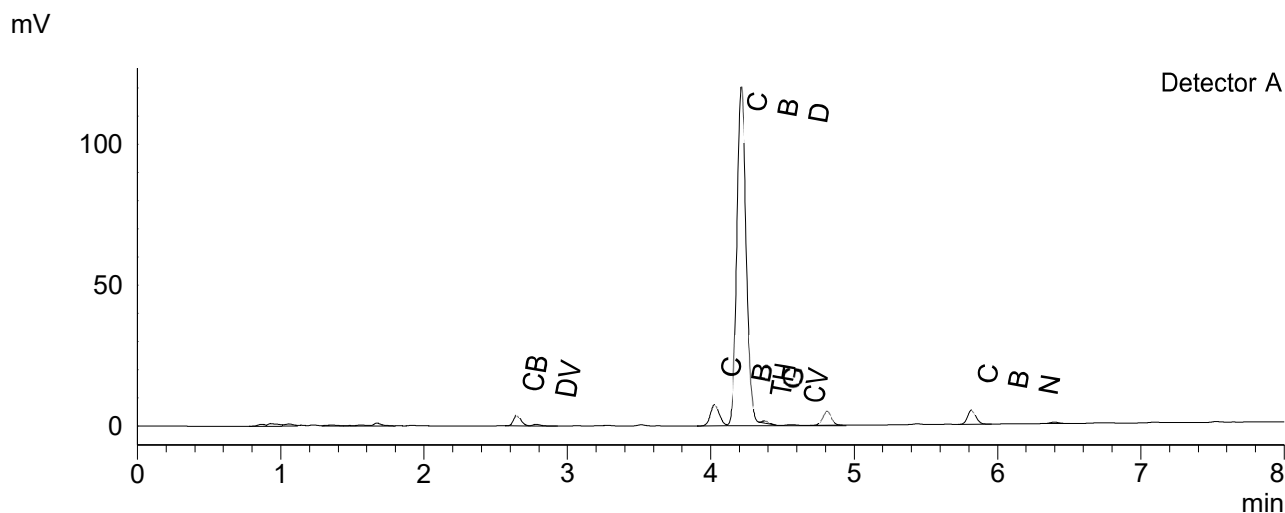


jorùs

CERTIFICATE OF ANALYSIS

Chromatogram



Quantitative Results

Detector A

Compound Name	Concentration, %
CBDV	0.236
CBDA	--
CBGA	--
CBG	0.671
CBD	10.500
THCV	0.052
CBN	0.206
THC	--
CBC	--
THCA-A	--
CBL	--
CBDVA	--

Sample information

Sample name: Hemp Drops 1000mg CBD DC
Batch number: Batch 389
Sample number: M 1208
Date of Analysis: 2022 02 23

Summary

Total CBD	10.50	%
Total CBD	105.00	mg/g

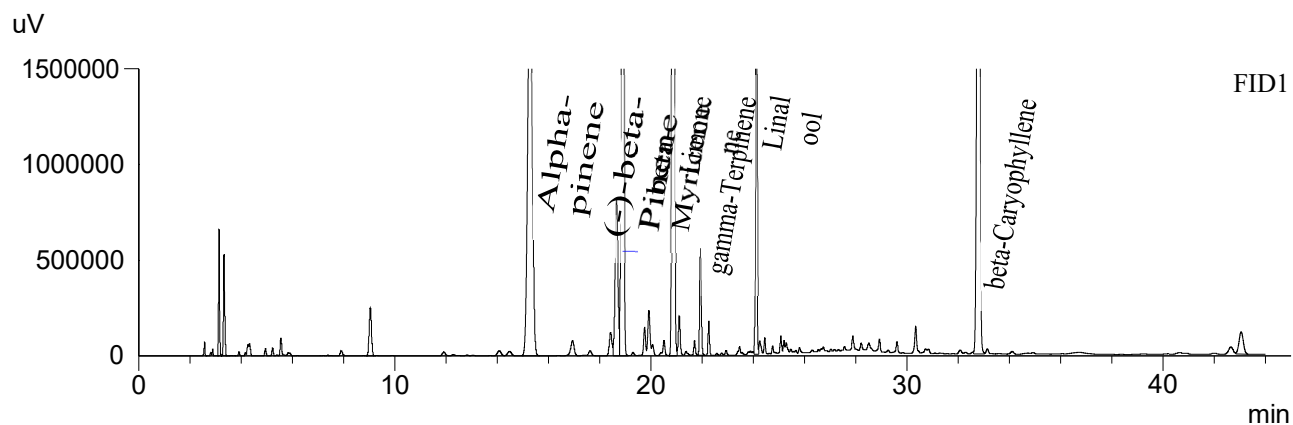
Instrumental and analytical conditions:

Sample preparation: 0.1 g of sample material was dissolved in 10 mL of HPLC grade methanol. The solution was vortexed and centrifuged. Then the solution was diluted to a final concentration. Quantification of cannabinoids was performed using standard calibration curve method. 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 µm, 4.6 x 150 mm column coupled with NexLeaf CBXGuard column was eluted by using a mixture of mobile phase A (0.085 % phosphoric acid in water) and mobile phase B (0.085% phosphoric acid in Acetonitrile) with a flow rate of 1.6 mL/min at 35°C. Sample injection volume was set to 5 µL. Gradient program used - 70 % B for 3 min, 70-85 % B over 4 min, 85-95 % B over 0.01 min; 95% B for 0.99 min; 95-70% B over 0.01 min; 70% B for 1.99min. Data was analyzed using Shimadzu LabSolutions software.

jorùs

CERTIFICATE OF ANALYSIS

Chromatogram



Quantitative Results

FID1

Sample information

Batch number:

389

Compound Name	Concentration, %
Alpha-pinene	0.323
Camphene	--
(-)-beta-Pinene	0.054
beta-Myricene	0.323
delta-3-carene	--
alpha-Terpinene	--
Limonene	0.574
p-Cymene	--
Ocimene	--
gamma-Terpinene	0.006
Terpinolene	--
Linalool	0.111
(-)-Isopulegol	--
Geraniol	--
beta-Caryophyllene	0.398
alpha-Humulene	--
Nerolidol	--
(-)-Guaiol	--
(-)-alpha-Bisabolol	--

jorùs

CERTIFICATE OF ANALYSIS

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 (± 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 μ m ϕ . 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 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 entity. The document does not substitute any other legal document.

CERTIFICATE OF ANALYSIS

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.

jorùs

CERTIFICATE OF ANALYSIS

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; Dicofol; Mirex; Dieldrin; Oxychlordane (Octachlorepoxyde); Endosulfan alpha isomer; Pentachloroanilin; Endosulfan beta isomer; Quintozene; Endosulfan sulphate; Tecnazene; Endrin; Vindozolin; Fenson.

ORGANOPHOSPHORUS PESTICIDES

Azinphos-ethyl; Methacrifos; Azinphos-methyl; Methamidophos; Bromophos; Methidathion; Bromophos-ethyl; Mevinphos; Carbophenothion; Omethoat; Chlorfenvinphos; Paraoxon-methyl; Chlorpyrifos; Parathion; Chlorpyrifos-methyl; Parathion-methyl; Diazinon; Phenthoate; Dichlofenthion; Phosalone; 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; Malacox; Sulfotep; Malathion; Thiometon; Mecarbam.

PYRETHROIDS

Bifenthrin; Fluvalinate-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); Propyzamid; 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 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.