jorùs

BIO IDEA sp. z o.o.
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CERTIFICATE OF ANALYSIS

Product Information

Product Name:	Hemp Drops 500 mg THCV
Product Type:	Liquid
CAS #:	89958-21-4
Batch Number:	C220124-18
Manufacture Date:	26/01/2022

Sample Information

Sample Number:	C220124-18
Sample Received:	26/01/2022
Sample Condition:	Suitable
Start of Analysis:	26/01/2022
Report Created:	26/01/2022

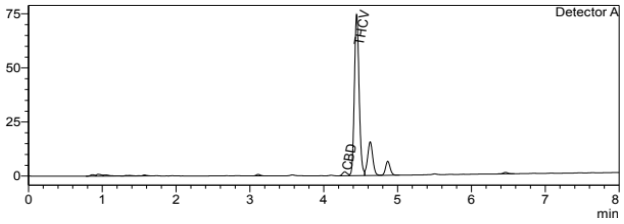
SUMMARY

TOTAL THCV* 5.356 **TOTAL THC*** ND

Quantitative Results

Compound Name	Concentration, w/w %
CBDV - Cannabidivarin	ND
CBDA - Cannabidiolic acid	ND
CBGA - Cannabigerolic acid	ND
CBG - Cannabigerol	ND
CBD - Cannabidiol	0.138
THCV - Tetrahydrocannabivarin	5.356
CBN - Cannabinol	ND
CBC - Cannabichromene	ND
THC - Δ8-Tetrahydrocannabinol	ND
THC - Δ9-Tetrahydrocannabinol	ND
THCA - Δ9-Tetrahydrocannabiolic 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 (±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 µm, 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.

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TERPENES

Analyzed by GC/FID

Compound Name	Conc., w/w %	Quantity, mg/g	Relative Concentration
Alpha-Pinene	0.322	3.22	0.322
Camphene	ND	ND	0.000
Beta-Myrcene	0.245	2.45	0.245
Beta-Pinene	0.046	0.46	0.046
Delta-3-Carene	ND	ND	0.000
Alpha- Terpinene	ND	ND	0.000
Ocimene 1	ND	ND	0.000
D-Limonene	0.568	5.68	0.568
p -Cymene	ND	ND	0.000
Ocimene 2	ND	ND	0.000
Eucalyptol	ND	ND	0.000
y-Terpinene	ND	ND	0.000
Terpinolene	ND	ND	0.000
Linalool	0.097	0.97	0.097
Geraniol	ND	ND	0.000
Beta- Caryophyllene	0.341	3.41	0.341
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.

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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 µm df. Hydrogen was used as carrier gas. Oven temperature range was set within 35 - 110 °C. Data was analyzed using Shimadzu LabSolutions software.

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