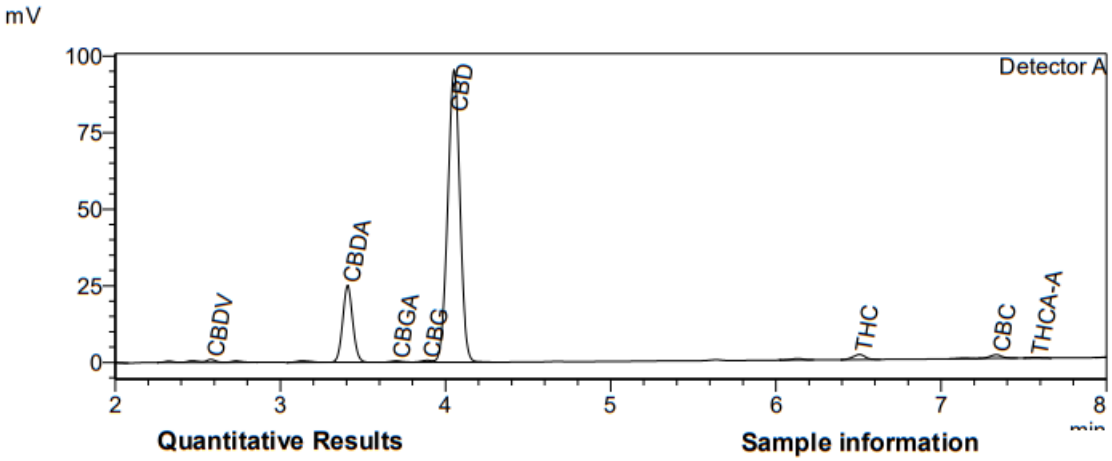
Biosyyd.

CERTIFICATE OF ANALYSIS

Chromatogram



Quantitative Results **Sample information**

Detector A

Compound Name	Concentration, %
CBDV	0.045
CBDA	1.696
CBGA	0.021
CBG	0.023
CBD	9.833
THCV	–
CBN	–
THC	0.180
CBC	0.087
THCA-A	0.019

Batch number: Cannalab Organics 10%
Product description: Hemp drops
Product type: Raw
Total CBD concentration:
Analysis date: 2020 12 16

Summary

Total THC	**0.20**	**%**
Total THC	**1.96**	**mg/g**
Total CBD	**11.32**	**%**
Total CBD	**113.20**	**mg/g**

-- — compound bellow LOQ or not detected; LOQ < 0.01%
THC content does not exceed legal limits.

Instrumental and analytical conditions.
Sample preparation: 0.01 g (±0.00001) of homogenous sample was dilluted with 1 mL of HPLC grade methanol. Diluted sample was mixed, vortexed and centrifuged. Then the mixture was dilluted 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 collumn coupled with NexLeaf CBX Guard collumn 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 was 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.

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TEST REPORT No. 2/2021

Customer: [redacted]

ID:

Set No. : 7/2021
Sample Received : 4.1.2021 7:00
Sample Analyzed : 4.1.2021 - 6.1.2021
Order No. : Not mentioned

Information about sample No.:8

Sampling Date and Time : Not mentioned
Sample name : 10% CBD OIL
Sample type : Vegetable materials
Sampled by : Customer
Sampling purpose : On the customer request

Results - chemical analysis

Parameter	Value	Unit	Kind	Method used	Uncertainty
Cannabidiol (CBD)	105	mg/g	N	SOP 16.02	± 30%
Cannabidiol Acid	10	mg/g	N	SOP 16.02	± 30%
delta-9-tetrahydrocannabinol (THC)	0,94	mg/g	N	SOP 16.02	± 30%
tetrahydrocannabinolic acid	0,77	mg/g	N	SOP 16.02	± 30%
Sum of CBD	11	%	N	calculation	± 30%
Sum of THC	0,16	%	N	calculation	± 30%

Notice to sampling : The sampling itself is not a subject of accreditation.

Information about sample No.:9

Sampling Date and Time : Not mentioned
Sample name : 15% CBD OIL
Sample type : Vegetable materials
Sampled by : Customer
Sampling purpose : On the customer request

Results - chemical analysis

Parameter	Value	Unit	Kind	Method used	Uncertainty
Cannabidiol (CBD)	139	mg/g	N	SOP 16.02	± 30%
Cannabidiol Acid	8,7	mg/g	N	SOP 16.02	± 30%
delta-9-tetrahydrocannabinol (THC)	0,87	mg/g	N	SOP 16.02	± 30%
tetrahydrocannabinolic acid	0,67	mg/g	N	SOP 16.02	± 30%
Sum of CBD	15	%	N	calculation	± 30%
Sum of THC	0,15	%	N	calculation	± 30%

Notice to sampling : The sampling itself is not a subject of accreditation.

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Results are only for tested samples.
These expanded uncertainties of measurement are obtained by multiplying of standard uncertainty of measurement by extending coefficient k=2 (for confidence level 95%). Uncertainty of sampling not included.
"<" - result is below the detection limit, ">" - result is higher than mentioned value
Methods in Kind column: "N" non-accredited test

Checked by : Lisník Jiří, MSc.
Completed by : Jungová Kateřina, MSc.
Number of pages : 2
Date : 6.1.2021

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