

Chemisches Laboratorium Darwingasse 2/46, 1020 Wien E-Mail: info@hanfanalytik.at

Tel.: +43 660 867 00 63 www.hanfanalytik.at

# Certificate of Analysis Cannabinoids

Reference ID: Huile 5% Client: MMJ Stores sprl
Description: Pure Leaf Sample ID: 27400009

Sample material: oil

Further Information: Batch No\_: 04/22, DR050203490

Sample entry: 2021-03-09 at 14:27

Abbr.	Substance	Result	Unit	M.U.*
Sa-We	Sample weight	10	g	-
T-CBD	Total Cannabidiol (CBD + CBDA)	5.04	w/w %	0.252
CBD	Cannabidiol	4.18	w/w %	0.209
CBDA	Cannabidiolic acid	0.98	w/w %	0.049
T-THC	Total Tetrahydrocannabinol (THC + THCA)	0.04	w/w %	0.005
D9THC	D9-Tetrahydrocannabinol	0.04	w/w%	0.005
THCA	Tetrahydrocannabinolic acid	ND**	w/w%	-
D8THC	D8-Tetrahydrocannabinol	ND**	w/w%	-
T-CBG	Total Cannabigerol (CBG + CBGA)	0.08	w/w%	0.005
CBG	Cannabigerol	0.06	w/w%	0.005
CBGA	Cannabigerolic acid	0.02	w/w%	0.005
CBN	Cannabinol	ND**	w/w%	-
CBC	Cannabichromene	0.02	w/w%	0.005
THCV	Tetrahydrocannabivarin	0.10	w/w %	0.005
CBDV	Cannabidivarin	0.68	w/w %	0.034
CBDVA	Cannabidivarinic Acid	ND**	w/w %	-

# Picture of sample upon arrival:



**Head of Laboratory Services:** 

Ing. Christian Fuczik, Chemist

Um. Jurich

Analysis finalized and reviewed: 2021-03-11 at 14:25

### Footnotes

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.

Method of Analysis: HPLC-DAD (High Performance Liquid Chromatography - Diode Array Detector). All measurement methods were calibrated and controlled with certified reference materials (CRM). The measurements with HPLC were carried out strictly according to the USA certified method of the HPLC manufacturer.

<sup>\*)</sup> The determined measurement uncertainty (M.U.) is always given in the same unit as the specified result.

<sup>\*\*)</sup> ND = Not Detected. the measured value was below the detection limit of 0,01 % respectively 100 mg/kg.



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# Certificate of Analysis Cannabinoids

Reference ID: Huile CBD 10% Client: MMJ Stores sprl
Description: Pure Leaf Sample ID: 27400018

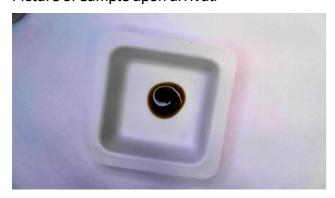
Sample material: oil

Further Information: Batch no: 06/22, DR10020349D

Sample entry: 2021-03-09 at 14:29

Abbr.	Substance	Result	Unit	M.U.*
Sa-We	Sample weight	1.034	g	-
T-CBD	Total Cannabidiol (CBD + CBDA)	10.67	w/w %	0.533
CBD	Cannabidiol	8.88	w/w %	0.444
CBDA	Cannabidiolic acid	2.04	w/w %	0.102
T-THC	Total Tetrahydrocannabinol (THC + THCA)	0.11	w/w %	0.005
D9THC	D9-Tetrahydrocannabinol	0.07	w/w %	0.005
THCA	Tetrahydrocannabinolic acid	0.04	w/w %	0.005
D8THC	D8-Tetrahydrocannabinol	ND**	w/w %	ı
T-CBG	Total Cannabigerol (CBG + CBGA)	0.17	w/w %	0.005
CBG	Cannabigerol	0.13	w/w %	0.005
CBGA	Cannabigerolic acid	0.04	w/w %	0.005
CBN	Cannabinol	ND**	w/w %	ı
CBC	Cannabichromene	0.04	w/w %	0.005
THCV	Tetrahydrocannabivarin	0.20	w/w %	0.015
CBDV	Cannabidivarin	1.60	w/w %	0.080
CBDVA	Cannabidivarinic Acid	0.03	w/w %	0.005

# Picture of sample upon arrival:



**Head of Laboratory Services:** 

Ing. Christian Fuczik, Chemist

Um. Jurich

Analysis finalized and reviewed: 2021-03-18 at 12:55

### Footnotes

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.

Method of Analysis: HPLC-DAD (High Performance Liquid Chromatography - Diode Array Detector). All measurement methods were calibrated and controlled with certified reference materials (CRM). The measurements with HPLC were carried out strictly according to the USA certified method of the HPLC manufacturer.

<sup>\*)</sup> The determined measurement uncertainty (M.U.) is always given in the same unit as the specified result.

<sup>\*\*)</sup> ND = Not Detected. the measured value was below the detection limit of 0,01 % respectively 100 mg/kg.



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# **Certificate of Analysis** Cannabinoids

Reference ID: Huile CBD 15% Client: MMJ Stores sprl 27400019 **Description: Pure Leaf** Sample ID:

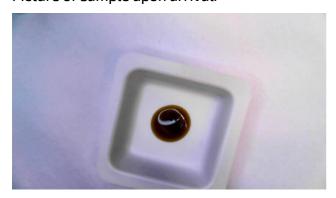
Sample material: oil

Further Information: Batch no: 06/22, DR15020349A

Sample entry: 2021-03-09 at 14:28

Abbr.	Substance	Result	Unit	M.U.*
Sa-We	Sample weight	0.815	g	-
T-CBD	Total Cannabidiol (CBD + CBDA)	15.37	w/w%	0.768
CBD	Cannabidiol	13.80	w/w %	0.690
CBDA	Cannabidiolic acid	1.79	w/w %	0.090
T-THC	Total Tetrahydrocannabinol (THC + THCA)	0.11	w/w%	0.005
D9THC	D9-Tetrahydrocannabinol	0.07	w/w%	0.005
THCA	Tetrahydrocannabinolic acid	0.04	w/w%	0.005
D8THC	D8-Tetrahydrocannabinol	ND**	w/w%	-
T-CBG	Total Cannabigerol (CBG + CBGA)	0.38	w/w %	0.029
CBG	Cannabigerol	0.33	w/w%	0.025
CBGA	Cannabigerolic acid	0.06	w/w%	0.005
CBN	Cannabinol	ND**	w/w%	-
CBC	Cannabichromene	0.06	w/w%	0.005
THCV	Tetrahydrocannabivarin	0.41	w/w %	0.031
CBDV	Cannabidivarin	1.77	w/w %	0.089
CBDVA	Cannabidivarinic Acid	0.05	w/w %	0.005

# Picture of sample upon arrival:



**Head of Laboratory Services:** 

Ing. Christian Fuczik, Chemist

Um. Jurish

Analysis finalized and reviewed: 2021-03-11 at 14:25

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.

Method of Analysis: HPLC-DAD (High Performance Liquid Chromatography - Diode Array Detector). All measurement methods were calibrated and controlled with certified reference materials (CRM). The measurements with HPLC were carried out strictly according to the USA certified method of the HPLC manufacturer.

<sup>\*)</sup> The determined measurement uncertainty (M.U.) is always given in the same unit as the specified result.

<sup>\*\*)</sup> ND = Not Detected. the measured value was below the detection limit of 0,01 % respectively 100 mg/kg.



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# **Certificate of Analysis** Cannabinoids

Reference ID: Huile CBD 20% Client: MMJ Stores sprl **Description: Pure Leaf** Sample ID: 27400020

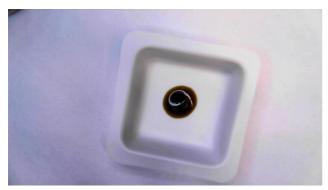
Sample material: oil

Further Information: Batch no: 04/22, DR20020349A

Sample entry: 2021-03-09 at 14:29

Abbr.	Substance	Result	Unit	M.U.*
Sa-We	Sample weight	0.858	g	-
T-CBD	Total Cannabidiol (CBD + CBDA)	20.26	w/w %	1.013
CBD	Cannabidiol	18.94	w/w %	0.947
CBDA	Cannabidiolic acid	1.50	w/w %	0.075
T-THC	Total Tetrahydrocannabinol (THC + THCA)	0.09	w/w %	0.005
D9THC	D9-Tetrahydrocannabinol	0.07	w/w %	0.005
THCA	Tetrahydrocannabinolic acid	0.02	w/w %	0.005
D8THC	D8-Tetrahydrocannabinol	ND**	w/w %	-
T-CBG	Total Cannabigerol (CBG + CBGA)	0.27	w/w %	0.020
CBG	Cannabigerol	0.27	w/w %	0.020
CBGA	Cannabigerolic acid	ND**	w/w %	-
CBN	Cannabinol	ND**	w/w %	-
CBC	Cannabichromene	0.04	w/w %	0.005
THCV	Tetrahydrocannabivarin	0.49	w/w %	0.037
CBDV	Cannabidivarin	3.28	w/w %	0.164
CBDVA	Cannabidivarinic Acid	0.02	w/w %	0.005

# Picture of sample upon arrival:



**Head of Laboratory Services:** 

Ing. Christian Fuczik, Chemist

Um. Jurich

Analysis finalized and reviewed: 2021-03-11 at 14:25

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.

Method of Analysis: HPLC-DAD (High Performance Liquid Chromatography - Diode Array Detector). All measurement methods were calibrated and controlled with certified reference materials (CRM). The measurements with HPLC were carried out strictly according to the USA certified method of the HPLC manufacturer.

<sup>\*)</sup> The determined measurement uncertainty (M.U.) is always given in the same unit as the specified result.

<sup>\*\*)</sup> ND = Not Detected. the measured value was below the detection limit of 0,01 % respectively 100 mg/kg.



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# **Certificate of Analysis** Cannabinoids

Reference ID: Huile CBD 30%

**Description: Pure Leaf** 

Sample ID:

Client: MMJ Stores sprl 27400001

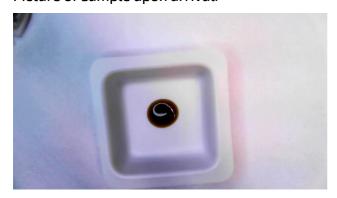
Sample material: extract

Further Information: Batch no: 06/22, DR30020349A

Sample entry: 2021-03-09 at 14:28

Abbr.	Substance	Result	Unit	M.U.*
Sa-We	Sample weight	0.906	g	-
T-CBD	Total Cannabidiol (CBD + CBDA)	35.77	w/w%	1.788
CBD	Cannabidiol	34.46	w/w %	1.723
CBDA	Cannabidiolic acid	1.49	w/w %	0.074
T-THC	Total Tetrahydrocannabinol (THC + THCA)	0.07	w/w %	0.005
D9THC	D9-Tetrahydrocannabinol	0.07	w/w%	0.005
THCA	Tetrahydrocannabinolic acid	ND**	w/w %	-
D8THC	D8-Tetrahydrocannabinol	ND**	w/w %	-
T-CBG	Total Cannabigerol (CBG + CBGA)	0.42	w/w %	0.032
CBG	Cannabigerol	0.42	w/w %	0.032
CBGA	Cannabigerolic acid	ND**	w/w %	-
CBN	Cannabinol	ND**	w/w%	-
CBC	Cannabichromene	ND**	w/w%	-
THCV	Tetrahydrocannabivarin	0.83	w/w%	0.042
CBDV	Cannabidivarin	6.79	w/w%	0.340
CBDVA	Cannabidivarinic Acid	ND**	w/w%	-

# Picture of sample upon arrival:



**Head of Laboratory Services:** 

Um. Jurish

Ing. Christian Fuczik, Chemist

Analysis finalized and reviewed: 2021-03-11 at 14:25

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.

Method of Analysis: HPLC-DAD (High Performance Liquid Chromatography - Diode Array Detector). All measurement methods were calibrated and controlled with certified reference materials (CRM). The measurements with HPLC were carried out strictly according to the USA certified method of the HPLC manufacturer.

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