

Certificate of Analysis Cannabinoids

Client: MAMAKA

Sample material: oil

Sample ID: 781930648363

Harvest date: 2021-05-05

Further Information: CBD Full Spectrum 5%

Sample entry: 2021-05-10 at 12:06

Abbr.	Substance	Result	Unit	M.U.*
Sa-We	Sample weight	2.704	g	-
T-CBD	Total Cannabidiol (CBD + CBDA)	5.58	w/w %	0.279
CBD	Cannabidiol	5.47	w/w %	0.274
CBDA	Cannabidiolic acid	0.13	w/w %	0.005
T-THC	Total Tetrahydrocannabinol (THC + THCA)	0.12	w/w %	0.005
D9THC	D9-Tetrahydrocannabinol	ND**	w/w %	-
THCA	Tetrahydrocannabinolic acid	ND**	w/w %	-
D8THC	D8-Tetrahydrocannabinol	0.12	w/w %	0.005
T-CBG	Total Cannabigerol (CBG + CBGA)	0.13	w/w %	0.005
CBG	Cannabigerol	0.13	w/w %	0.005
CBGA	Cannabigerolic acid	ND**	w/w %	-
CBN	Cannabinol	0.16	w/w %	0.005
CBC	Cannabichromene	0.06	w/w %	0.005
THCV	Tetrahydrocannabivarin	ND**	w/w %	-
CBDV	Cannabidivarin	0.02	w/w %	0.005
CBDVA	Cannabidivarinic Acid	ND**	w/w %	-

Picture of sample upon arrival:



Head of Laboratory Services:



Ing. Christian Fuczik, Chemist

Analysis finalized and reviewed:
2021-05-12 at 11:12

Footnotes:

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

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

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.

This Certificate of Analysis may only be reproduced in its entirety and not in parts. Any change to this document is liable to prosecution