



Address: VSCHT Praha, Technická 1905/5, 166 28 Prague 6, Czech Republic (tel.: +420 602833424; +420 220443184; http://uapv.vscht.cz/mzl)

**Test certificate ML: 1402/23***print no.: ENG\_480/23*

Client: Jens Golland  
  
Schrotweg 3  
38162 Cremlingen  
Germany

Sample received: 15.8.2023  
Order no.: 11.08.2023  
Sample description (client's): Sample 2 CBD oil

Testing item: viscous liquid  
packaging: bottle - colored glass  
quantity: 10 g

Date of testing: 15.08.2023 - 28.08.2023  
Location of testing: facilities of the MZL UTC, Technická 1903/3, 166 28 Prague 6 - Dejvice  
Testing methods used: KM 21: LC-MS

**TEST RESULTS:***CANNABINOIDS*

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
CBD (cannabidiol)	200000	16000	mg/kg	KM 21	
CBDA (cannabidiolic acid)	<2.5	-	mg/kg	KM 21	
$\Delta^9$ -THC (delta-9-tetrahydrocannabinol)	6230	500	mg/kg	KM 21	
$\Delta^8$ -THC (delta-8-tetrahydrocannabinol)	<5.0	-	mg/kg	KM 21	
$\Delta^8$ -THC (delta-8-tetrahydrocannabinol)					
$\Delta^9$ -THCA-A (delta-9-tetrahydrocannabinolic acid-A)	<5.0	-	mg/kg	KM 21	
$\Delta^8$ -THCA-A (delta-8-tetrahydrocannabinolic acid A)	<2.5	-	mg/kg	KM 21	
$\Delta^9$ -THCV (delta-9-tetrahydrocannabivarine)	84	13	mg/kg	KM 21	
$\Delta^8$ -THCV (delta-8-tetrahydrocannabivarine)	<5.0	-	mg/kg	KM 21	
THCVA (tetrahydrocannabivarinic acid)	<2.5	-	mg/kg	KM 21	
CBN (cannabinol)	511	77	mg/kg	KM 21	
CBNA (cannabinolic acid)	<2.5	-	mg/kg	KM 21	
CBG (cannabigerol)	8160	650	mg/kg	KM 21	
CBGA (cannabigerolinic acid)	<2.5	-	mg/kg	KM 21	
CBDV (cannabidivarin)	1860	150	mg/kg	KM 21	
CBDVA (cannabidivarinic acid)	<2.5	-	mg/kg	KM 21	
CBC (cannabichromene)	10300	820	mg/kg	KM 21	
CBCA (cannabichromenic acid)	<2.5	-	mg/kg	KM 21	
CBL (cannabicyclol)	1130	90	mg/kg	KM 21	
CBLA (cannabicyclololic acid)	<2.5	-	mg/kg	KM 21	
CBT (cannabicitran)	367	55	mg/kg	KM 21	
CBE (cannabielsoin)	3170	250	mg/kg	KM 21	
CBDP (cannabidiphorol)	45	6.8	mg/kg	KM 21	
$\Delta^9$ -THCP (delta-9-tetrahydrocannabiphorol)	<5.0	-	mg/kg	KM 21	
CBDB (cannabidibutol)	401	60	mg/kg	KM 21	
$\Delta^9$ -THCB (delta-9-tetrahydrocannabutol)	13	2.0	mg/kg	KM 21	
CBDH (cannabidihexol)	35	5.3	mg/kg	KM 21	
$\Delta^9$ -THCH (delta-9-tetrahydrocannabihexol)	<5.0	-	mg/kg	KM 21	
CBCV (cannabichromevarine)	140	21	mg/kg	KM 21	

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
CBCVA (cannabichromevarinic acid)	<5.0	-	mg/kg	KM 21	
CBCO (cannabichromeorcin)	51	8	mg/kg	KM 21	
CBGAQ (cannabigerol quinone acid)	<25	-	mg/kg	KM 21	
CBND (cannabinodiol)	607	91	mg/kg	KM 21	
CBV (cannabivarine)	7.4	1.9	mg/kg	KM 21	
CBVA (cannabivarinic acid)	<5.0	-	mg/kg	KM 21	
CBGV (cannabigerovarine)	<5.0	-	mg/kg	KM 21	
CBGVA (cannabigerivarinic acid)	<5.0	-	mg/kg	KM 21	
CBGO (cannabigerorcine)	30	4	mg/kg	KM 21	
CBGOA (cannabigerorcinic acid)	<5.0	-	mg/kg	KM 21	
CBGM (cannabigerol monomethyl ether)	346	52	mg/kg	KM 21	
CBNM (cannabinol monomethyl ether)	<5.0	-	mg/kg	KM 21	
CBGB (cannabigerobutol)	<5.0	-	mg/kg	KM 21	
$\Delta^9$ -THC equivalents (sum of $\Delta^9$ -THC + $\Delta^9$ -THCA-A x 0,877)	6230	500	mg/kg	KM 21	
CBD equivalents (sum of CBD + CBDA x 0,877)	200000	16000	mg/kg	KM 21	
CBN equivalents (sum of CBN + CBNA x 0,876)	511	77	mg/kg	KM 21	
CBG equivalents (sum of CBG + CBGA x 0,878)	8160	650	mg/kg	KM 21	
CBDV equivalents (sum of CBDV + CBDVA x 0,867)	1860	150	mg/kg	KM 21	
CBC equivalents (sum of CBC + CBCA x 0,877)	10300	2100	mg/kg	KM 21	
THCV equivalents (sum of THCV + THCVA x 0,867)	84	13	mg/kg	KM 21	
CBCV equivalents (sum of CBCV + CBCVA x 0,867)	140	21	mg/kg	KM 21	
CBL equivalents (sum of CBL + CBLA x 0,877)	1130	90	mg/kg	KM 21	

\* the sign "<" indicates that concentration is lower than this value, i.e. below the limit of quantitation (LOQ)

#### Specification used for the assessment of test results:

Expanded uncertainty was calculated using coverage factor  $k = 2$  corresponding to a coverage probability of approximately 95%.  
Uncertainty was calculated and stated according to the ILAC G17:01(2021) and Kvalimetrie 11 (EURACHEM/CITAC 4). Uncertainty of sampling is not covered.

The results given herein apply only to the sample as received. This certificate shall not be reproduced except in full, without written approval of the Laboratory. The certificate does not substitute any other legal document. Laboratory is not responsible for information supplied by customer, if such information can affect the validity of results.

#### Appendix:

Date of issue: 28.8.2023

Prof. Dr. Jana Hajšlová, head of the laboratory

*The end of Certificate*