



Test certificate ML: 136/18

Client: **Green industries**
 Otterkoog 16-G
 Alkmaar, 1822BW
The Netherlands

Sample received on: 24. 01. 2018/ by post
 Order no.: 24.01.18
 Sample description (client's): **Hemp oil, 1500 mg, 15 %**

Laboratory code: **ML 136/18**
 Product / packaging / quantity: CBD oil
 package: glass bottle / 10 ml
 Start / end of analysis: 29. 01. 2018 – 07. 02. 2018
 Testing methods used: KM 21: LC-MS

TEST RESULTS:

Analyt	Concentration [mg/kg]	Expanded uncertainty [mg/kg]	Testing method	Assessment of results**	Limit [mg/kg]	Specification / Notice
CBD (cannabidiol)	36 968	7 394	KM 21	X	-	-
CBDA (cannabidiolic acid)	73	15	KM 21	X	-	-
Δ^9 -THC (delta-9-tetrahydrocannabinol)	836	167	KM 21	X	-	-
Δ^8 -THC (delta-8-tetrahydrocannabinol)	132	26	KM 21	X	-	-
Δ^9 -THCA-A (delta-9-tetrahydrocannabinolic acid - A)	1.8	0.4	KM 21	X	-	-
CBN (cannabinol)	141	28	KM 21	X	-	-
CBG (cannabigerol)	381	76	KM 21	X	-	-
CBGA (cannabigerolic acid)	16	3	KM 21	X	-	-
CBDV (cannabidivarin)	274	55	KM 21	X	-	-
CBC (cannabichromene)	634	127	KM 21	X	-	-
THCV (tetrahydrocannabivarin)	12	2	KM 21	X	-	out of the accreditation scope
CBDVA (cannabidivarinic acid)	3.6	0.7	KM 21	X	-	out of the accreditation scope

* Analyte not quantified at the indicated limit of quantitation (LOQ)

** Compliance with respective limit is marked as C (Compliance), N (Non-compliance) or X (not assessed).

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 EA-4/16 and manual Kvalimetrie 11 (issued by EURACHEM CZ). Uncertainty of sampling is not covered. Compliance is evaluated with respect to the uncertainty of test result according to the Guide ILAC-G8.

The results given herein apply to the submitted sample only. This certificate shall not be reproduced except in full, without written approval of the Laboratory. The certificate does not substitute any other legal document.

Appendix: -

Date of issue: 08. 02. 2018

prof. Dr. Jana Hajšlová, head of the Laboratory

The end of Certificate