

Medicanna Ltd - EthicaCBD
Unit 7 Bude Business Centre
EX23 8QN Bude
UK

Customer ID: 2000080

Winterthur, 02/13/2021

Test Report No.: P12A01


Customer:	Medicanna Ltd - EthicaCBD	Customer sample ID:	Med - Isolate - 5
Matrix:	Oil	Lab sample ID:	P12A01
Received:	02/11/2021		
Analysis period:	02/11/2021 - 02/13/2021		

Results

Cannabinoid concentrations in mg/kg

Δ 9-THC (Δ 9-Tetrahydrocannabinol)	n.d.	CBG (Cannabigerol)	n.d.
THCA (Tetrahydrocannabinolic acid)	n.d.	CBGA (Cannabigerolic acid)	n.d.
Total Δ 9-THC		Total CBG	
CBD (Cannabidiol)	106000	CBN (Cannabinol)	n.d.
CBDA (Cannabidiolic acid)	n.d.	CBNA (Cannabinolic acid)	n.d.
Total CBD	106000	Total CBN	
CBDV (Cannabidivarin)	123	THCV (Tetrahydrocannabivarin)	n.d.
CBDVA (Cannabidivarinic acid)	n.d.	THCVA (Tetrahydrocannabivarinic acid)	n.d.
Δ 8-THC (Δ 8-Tetrahydrocannabinol)	n.d.		

n.d. = not detected, below the limit of detection of 5 mg/kg; < LOQ = below the limit of quantitation of 20 mg/kg
for details on sampling and analysis see below



Dr. Michael Pöttsch
CEO, Pharmacist

Analytical details

Sample description

The container was received in good condition already labeled with a number assigned by the customer. The sample was received and stored at ambient temperature. A unique Swiss Drug Testing identification number was assigned and attached to the sample, which was used for further laboratory work and analyses.

Sampling and Analysis of Cannabinoids

A portion of the sample was weighted, extracted into solvent, diluted and spiked with internal deuterated standards. Analysis was conducted using high performance liquid chromatography coupled to tandem mass spectrometry (UHPLC-MS/MS). Quantitation was performed using an external solvent calibration model with certified reference material for all compounds. The method was not validated for the matrices. Matrix effects might have effected the results. Accuracy of the method was assessed by internal quality control. Ratios of two mass transitions and chromatographic retention time assured identity of the compounds. The "total" concentrations of cannabinoid were calculated by applying the following factors: 0.877 for THCA; 0.877 for CBDA, 0.878 for CBGA and 0.876 for CBNA followed by summation with the decarboxylated form.

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