

Certificate of Analysis

Client Tenacious Laboratories Limited.
 Product Bluebottle 7.2% Broad Spectrum.
 Volume 30ml
 Batch N/A
 Lab ID CBD0425

Analysis by Lawrence Theobald
 Approved by Mark Portsmouth

Method Summary:

0.1 ml of sample was diluted to 100ml with methanol to give an expected CBD concentration of 0.007 mg/ml.

The sample was analysed on an Agilent HPLC with a DAD detector. The system was calibrated using standard solutions of eleven cannabinoids. Cannabinoid concentrations in the sample were determined using the relevant calibration lines.

The results are presented in Table 1 and Figure 1 below.

PASSED

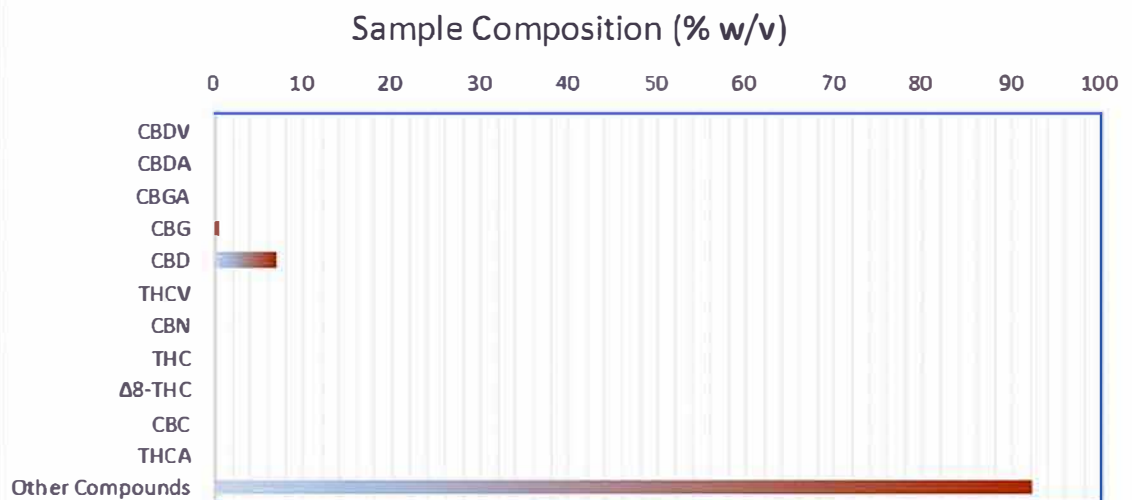
Results

Cannabinoid (Abbreviation)	CAS Number	LoQ (µg/mL)	Target Concentration (mg/mL)	Measured Concentration (mg/mL)	PASS/FAIL
Cannabidiarin (CBDV)	24274-48-4	0.1	No Target	0.1325	N/A
Cannabidiolic Acid (CBDA)	1244-58-2	0.1	No Target	0.0493	N/A
Cannabigerolic Acid (CBGA)	25555-57-1	0.1	No Target	BQL	N/A
Cannabigerol (CBG)	25654-31-3	0.1	7.20	6.9243	PASS
Cannabidiol (CBD)	13956-29-1	0.1	66.63	69.2741	PASS
Tetrahydrocannabivarin (THCV)	1972-08-3	0.1	No Target	BQL	PASS
Cannabinol (CBN)	521-35-7	0.1	Legal Limit	BQL	PASS
Δ9-Tetrahydrocannabinol (THC)	1972-08-3	0.1	Legal Limit	BQL	PASS
Δ8-Tetrahydrocannabinol (Δ8-THC)	5957-75-5	0.1	Legal Limit	BQL	PASS
Cannabichromene (CBC)	20675-51-8	0.2	1.83	1.8540	PASS
Δ9-Tetrahydrocannabinolic Acid (THCA)	23978-85-0	0.2	Legal Limit	BQL	PASS

Table 1- Results.

LOQ- Limit of Quantitation.
 BQL- Below Quantitation Limit

Figure 1- Sample composition



Comments

Acceptance Criteria- ± 5% of the expected concentration of CBD. Note that the concentration any CBDA present is added to the concentration of CBD before making this assessment. All other Cannabinoids must be below the following legal limits:

CBN, Δ8-THC and THCV : a maximum of 1mg per container each

Total THC and THCA a maximum of 1mg per container

Summary- The sample passes all acceptance criteria