

## Chemical Content Analysis

Client	Vitality CBD Ltd.
Product	Oral Drops Lemon Flavour 300mg
Volume	30 ml
Batch No.	TH100919HL
Lab ID	CBD0330
Date	07.11.2019
Analysis by	Lawrence Theobald
Approved by	Mark Portsmouth

## Method Summary:

0.5mL of sample was dispensed with a pipette and diluted with IPA to give a sample at 1 mg/ml. The sample was then diluted further with Methanol.

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.

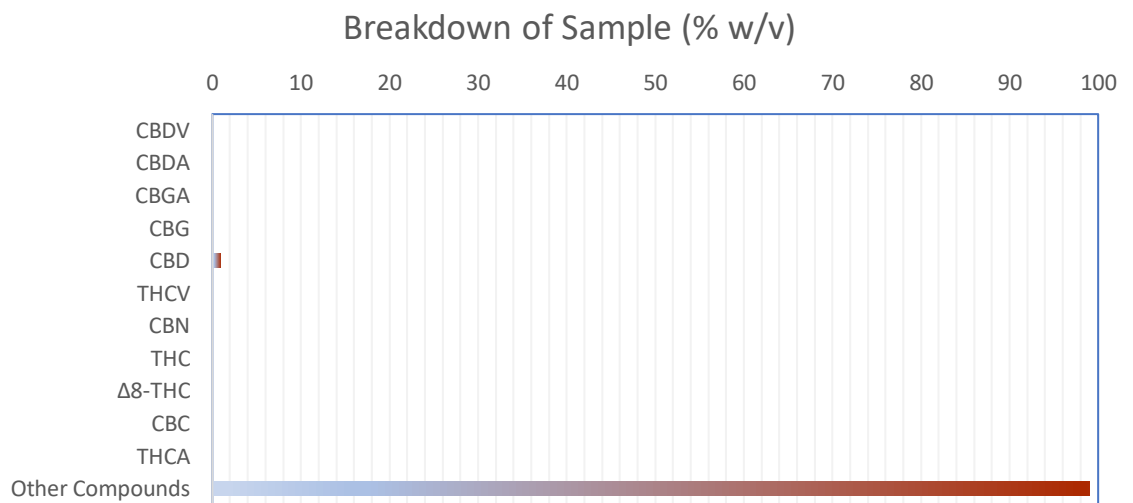
# PASSED

## Results

Cannabinoid Compound (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	BQL	N/A
Cannabidiolic Acid (CBDA)	1244-58-2	0.1	No Target	BQL	N/A
Cannabigerolic Acid (CBGA)	25555-57-1	0.1	No Target	BQL	N/A
Cannabigerol (CBG)	25654-31-3	0.1	No Target	BQL	N/A
Cannabidiol (CBD)	13956-29-1	0.1	10.00	9.56	N/A
Tetrahydrocannabivarin (THCV)	1972-08-3	0.1	No Target	BQL	N/A
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	No Target	BQL	N/A
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-** Proportion of sample breakdown



## Comments

300 mg of CBD in 30 ml is equivalent to 10 mg/ml

**Acceptance Criteria.** All prohibited Cannabinoids below legal limits

**Limits-** CBN- 1mg per container

THC and THCA- 1mg per container combined

**Summary-** The sample passes all acceptance criteria