

## Chemical Content Analysis

Client: Vilosophy  
 Product: V&YOU Berry Calm CBD Spray 400mg (3)  
 Volume: 10ml  
 Batch No.: 118081  
 Lab ID: CBD0463  
 Date: 29.10.2020  
 Analysis by: Lawrence Theobald  
 Approved by: Mark Portsmouth

## Method Summary:

0.5g of sample was measured on a balance and extracted with Isopropyl Alcohol to give a sample at 25 mg/ml. This was then diluted further in 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.

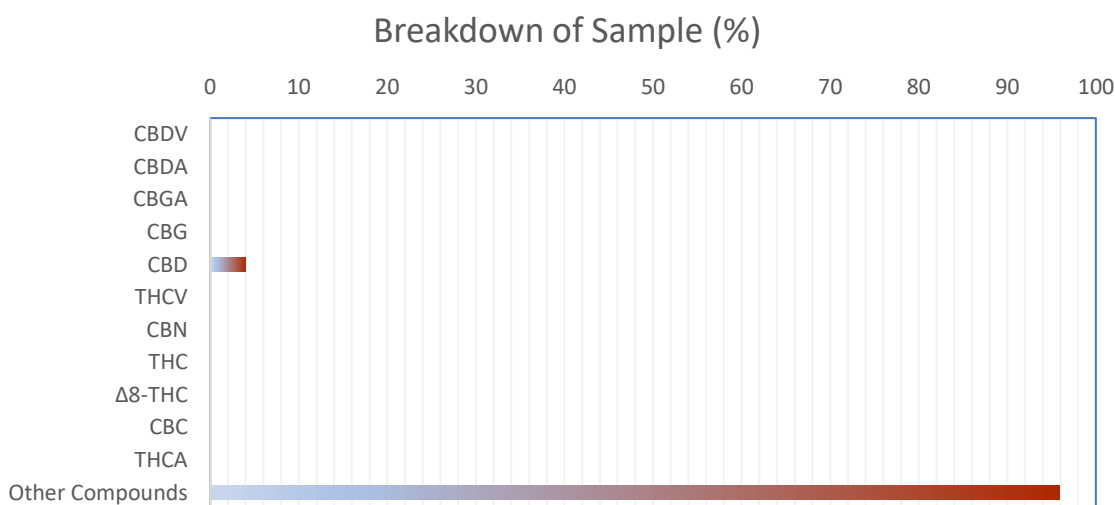
**PASSED**

## Results

Cannabinoid Compound (Abbreviation)	CAS Number	LoQ (µg/ml)	Target Concentration (mg/ml)	Measured Concentration (mg/ml)	PASS/FAIL
Cannabidiol (CBD)	13956-29-1	0.1	40	40.1642	PASS
Tetrahydrocannabivarin (THCV)	1972-08-3	0.1	Legal Limit	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	No Target	BQL	N/A
Δ9-Tetrahydrocannabinolic Acid (THCA)	23978-85-0	0.2	Legal Limit	BQL	PASS
Cannabidiol (CBDV)	24274-48-4	0.1	No Target	0.1519	N/A
Cannabidiolic Acid (CBDA)	1244-58-2	0.1	No Target	0.2095	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

**Table 1-** Results. LOQ- Limit of Quantitation. BQL- Below Quantitation Limit

**Figure 1-** Proportion of sample breakdown



## Comments

**Sample (3)-** This sample was taken late in the production run

**Acceptance Criteria-** All prohibited Cannabinoids below legal limits, CBD and CBDA content ±5% of expected dosage. 400mg of CBD in a 10ml container is equivalent to 40 mg/ml

**Limits-** CBN- 1mg per container, Δ8-THC- 1mg per container, THCV- 1mg per container  
 THC and THCA- 1mg per container combined

**Summary-** All prohibited Cannabinoids are below legal limits and CBD is within acceptance criteria