

Chemical Content Analysis

Client: **Eliquid Solutions**
 Product: **Ambience Lip Balm 50mg**
 Volume: **15 g**
 Batch No.: **71748**
 Lab ID: **CBD0337**
 Date: **11.11.2019**
 Analysis by: **Lawrence Theobald**
 Approved by: **Mark Portsmouth**

Method Summary:

0.5g of sample was weighed on a balance and diluted in IPA to give a sample at 50 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.

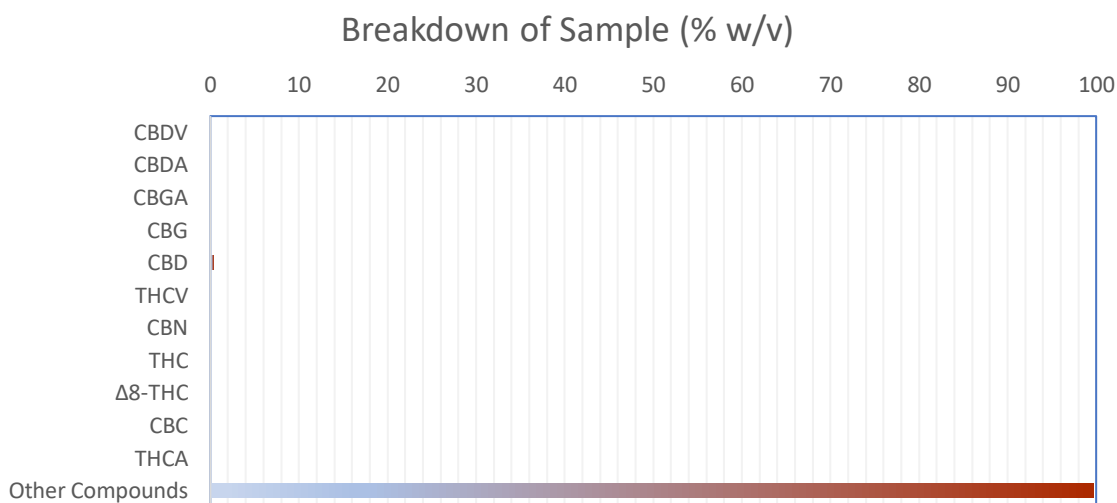
PASSED

Results

Cannabinoid Compound (Abbreviation)	CAS Number	LoQ (µg/mL)	Target Concentration (mg/g)	Measured Concentration (mg/g)	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	3.33	3.49	PASS
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

50 mg of CBD in 15 ml is equivalent to 3.33 mg/g

Acceptance Criteria. All prohibited Cannabinoids below legal limits. Combined CBD and CBDA concentration above 91% of label's claim

Limits- CBN- 1mg per container

THC and THCA- 1mg per container combined

Summary- The sample passes all acceptance criteria