

## Chemical Content Analysis

Client **Eliquid Solutions**

Product **Ambience Muscle Balm 50mg**

Volume **30 ml**

Batch No. **71869**

Lab ID **CBD0328**

Date **11.11.2019**

Analysis by **Lawrence Theobald**

Approved by **Mark Portsmouth**

## Method Summary:

1ml of sample was dispensed with a pipette and diluted in IPA to give a sample at 0.167 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.

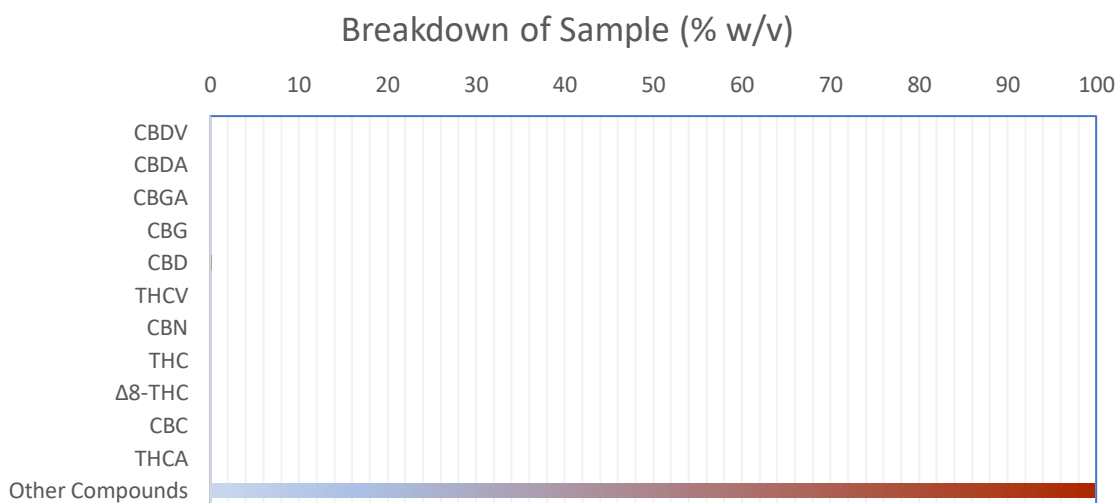
# PASSED

## Results

Cannabinoid Compound (Abbreviation)	CAS Number	LoQ (µg/mL)	Target Concentration (mg/mL)	Measured Concentration (mg/ml)	PASS/FAIL
Cannabidivarin (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	1.67	1.57	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 30 ml is equivalent to 1.67 mg/ml

**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