

Chemical Content Analysis

Date: 20-09-2019

Client: Ignite

Product: Ignite CBD Lip Balm Cucumber Lemon
Mint 50mg

Volume: 4.5g

Batch No: 0001

Lab ID: CBD03040

Visual Inspection:

Whiteish cream

Method Summary:

Around 0.5g of sample was measured in a pipette and extracted in IPA to provide a sample at 0.55mg/ml. CBD content was analysed on an Agilent HPLC fitted with a DAD detector. Content on HPLC was analysed against a standard calibration of CBD, CBN and THC, supplied by Restek, as well as CBDA and THCA supplied by Sigma-Aldrich. The results are presented in Table 1 and Figure 1 below.

Compound	CAS Number	Concentration Analysed (mg/ml)	% of target concentration	LoQ (µg/ml)
Cannabidiol	13956-291	0.83	120.24	0.1
Cannabinol	521-35-7	BQL	BQL	0.1
Delta-9- Tetrahydrocannabinol	1972-08-3	BQL	BQL	0.1
Cannabidiolic Acid	1244-58-2	BQL	BQL	0.1
Delta-9-Tetrahydrocannabinolic Acid	23978-85-0	BQL	BQL	0.2

BQL, Below Quantitation Limit.

% Content of Sample

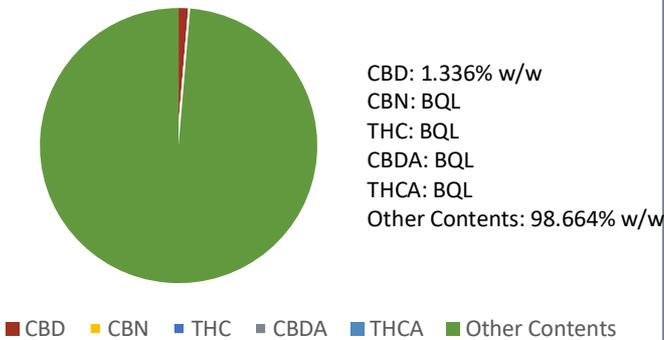


Figure 1. Pie chart of the analysis result.

Comments:

50mg of CBD in 4.5g is equivalent to 11.11mg/g

Acceptance Criteria: >91% of target concentration CBD total, including CBDA, below legal limit of CBN, THC and THCA.

CBD- Cannabidiol
 CBDA- Cannabidiolic Acid
 CBN- Cannabinol. The legal limit for this compound is 1mg per container.
 THC- delta-9-Tetrahydrocannabinol.
 THCA- delta-9-Tetrahydrocannabinolic Acid. The legal limit for both THC and THCA in this mixture is 1mg per container
 The sample passes all acceptance criteria for CBD, CBN and THC.

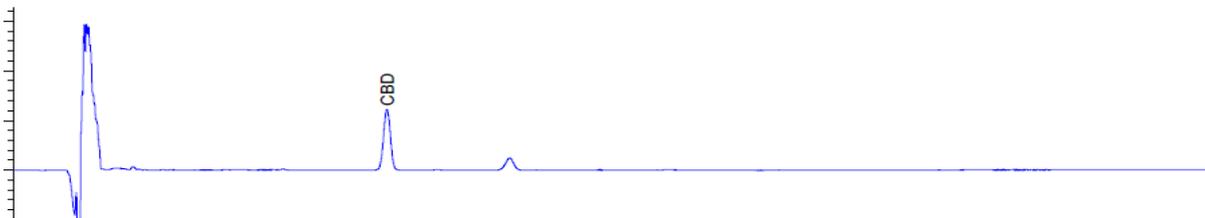


Figure 2. Chromatogram of the analysis

Analysis By:
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Approved By:

Mark Portsmouth, Analytical Chemistry Consultant

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