

Test Report

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Test Report No.: FR002224_S20000100

Date: 16th January 2020

Customer:	CiiTECH
Analysis:	Suite of 7 cannabinoids
Matrix:	CBD oil
Received:	6 th of January 2020
Analysed	7 th to 10 th of January 2020

1. BACKGROUND

This report describes the analytical testing of a CBD sample product.

The term "CBD" is an acronym for cannabidiol, which is one of several cannabinoids, or chemical compounds, that are found in cannabis and hemp plants.

The sample was analysed for the concentrations of 7 cannabinoids:

- **CBC**, Cannabichromene
- **CBD**, Cannabidiol
- **CBDA**, Cannabidiolic acid
- **CBG**, Cannabigerol
- **CBN**, Cannabinol
- **THC**, Tetrahydrocannabinol
- **THCA**, Tetrahydrocannabinolic acid

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2. SAMPLE DESCRIPTION

The sample was received at the laboratory in satisfactory condition and stored at ambient temperature prior to analysis.

The sample was received in the manufacturers (Provacan) packaging with all seals intact. A unique identifying number was assigned to the sample using the Fera laboratory information management system. The relevant sample details are shown in the table below.

Sample information				
Fera reference	Customer reference	Description	Batch/LOT code	Best before
S20-000100	103	300mg Provacan CBD oil (3% Hemp derived Cannabidiol) – New improved formula	DR03019148B	11/2020

3. SAMPLING AND ANALYSIS

3.1 Cannabinoids

The sample was extracted into solvent and diluted before CBD was determined using LC-UV. Accuracy of the method was assessed by analysing in-house reference material with known concentrations of CBD alongside the sample.

Results for cannabichromene (CBC), cannabidiolic acid (CBD-A), cannabigerol (CBG), cannabiol (CBN) tetrahydrocannabinol (THC) and tetrahydrocannabinolic acid (THC-A) do not fall under the scope of our ISO17025 accreditation.

4. RESULTS

4.1 Cannabidiol

Sample identification			CBD concentration	
Fera reference	Customer reference	Description	mg/kg	%
S20-000100	103	300mg Provacan CBD oil (3% Hemp derived Cannabidiol) – New improved formula	26435	2.6

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4.2 Cannabichromene, cannabidiolic acid, cannabigerol, cannabinol, tetrahydrocannabinol and tetrahydrocannabinolic acid

Sample identification			Cannabinoid concentrations (mg/kg)					
Fera reference	Customer reference	Description	CBC	CBD A	CBG	CBN	THC	THC A
S20-000100	103	300mg Provacan CBD oil (3% Hemp derived Cannabidiol) – New improved formula	ND	ND	1152	ND	57	ND

ND = Not Detected

Limits of detection:

CBC: 50 mg/kg, CBDA: 50 mg/kg, CBG: 50 mg/kg, CBN: 50 mg/kg, THC: 50 mg/kg, THCA: 50 mg/kg

Issuing Officer:	Mark Harrison, Analytical chemist	Date:	15/01/2020
Countersigning Manager:	Michael Dickinson, Senior analytical chemist	Date:	16/01/2020

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