Test Report

Fera Science Ltd,

Sand Hutton,

York,

YO41 1LZ

United Kingdom

1642

Test Report No.: FR002224_S20000105   **Date: 17th January 2020**

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

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**
S20-000105	106c	Provacan CBD capsules 2880mg. 96mg per capsule.	Cii-96-001	08/05/2021

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), cannabinol (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**	**%**
S20-000105	106c	Provacan CBD capsules 2880mg. 96mg per capsule.	**167711**	**16.8**

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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	CBDA	CBG	CBN	THC	THCA
S20-000105	106c	Provacan CBD capsules 2880mg. 96mg per capsule.	1842	17671	3017	194	1546	184

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:**	17/01/2020