

Test Report

Fera Science Ltd,
Sand Hutton,
York,
YO41 1LZ
United Kingdom



Test Report No.: FR002224_S20011639

Date: 5th March 2020

Customer:	CiiTECH
Analysis:	Suite of 7 cannabinoids
Matrix:	CBD Roll away rollerball
Received:	3 rd of February 2020
Analysed	20 th to 25 th of February 2020

1. BACKGROUND

This report describes the analytical testing of a CBD labeled 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 (Hugg) 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
S20-011639	Hugg CBD Roll away rollerball	Hugg CBD Roll away rollerball. 10 ml. CBD 50 mg. Mint and lavender	71861-3	Aug 2021

3. SAMPLING AND ANALYSIS

3.1 Cannabinoids

The sample was extracted into solvent and diluted before the cannabinoids were determined using LC-UV. Accuracy of the method was assessed by analysing in-house reference material with known concentrations of CBD alongside the sample and by overspiking blank material with a known concentration of each cannabinoid

4. RESULTS

4.1 Cannabidiol

Sample identification			CBD concentration	
Fera reference	Customer reference	Description	mg/kg	%
S20-011639	Hugg CBD Roll away rollerball	Hugg CBD Roll away rollerball. 10 ml. CBD 50 mg. Mint and lavender	4316	0.43

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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
S20-011639	Hugg CBD Roll away rollerball	Hugg CBD Roll away rollerball. 10 ml. CBD 50 mg. Mint and lavender	<20	<20	67	<20	<20	<20

Issuing Officer:	Mark Harrison, Analytical chemist	Date:	03/03/20
Countersigning Manager:	Rosario Romero, Senior analytical chemist	Date:	05/03/20

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