

Test Report

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Test Report No.: FR002212_120221

Date: 12th February 2021

Customer:	Amelia Knight Ltd
Analysis:	Suite of 7 cannabinoids by HPLC-UV
Matrix:	Cosmetic sample
Received:	8 th of February 2021
Analysed	9 th to 11 th of February 2021

1. BACKGROUND

This report describes the analytical testing of a cosmetic 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 samples were 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 dark at ambient temperature prior to analysis.

The sample was sealed in clear glass sampling pot with a black plastic screw cap. A corresponding 'blank' (CBD free) material was supplied as a quality control reference.

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.

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Sample information				
Fera reference	Customer reference	Description	Batch/LOT code	Best before
S21-001583	IPSY Hand cream CBD 25mg v5	White paste	LBCBDHC210120 MI01CBD	N/A

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 as well as over spiked blank material alongside the sample.

4. RESULTS

4.1 Cannabidiol

Sample identification			CBD concentration	
Fera reference	Customer reference	Description	mg/kg	%
S21-001583	IPSY Hand cream CBD 25mg v5	White paste	1520	0.15

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

Sample identification			Cannabinoid concentrations (%)					
Fera reference	Customer reference	Description	CBC	CBDA	CBG	CBN	THC	THCA
S21-001583	IPSY Hand cream CBD 25mg v5	White paste	<0.002	<0.002	<0.002	<0.02	<0.02	<0.002

Issuing Officer:	Mark Harrison, Analytical chemist	Date:	11/02/2021
Countersigning Manager:	Rosario Romero, Senior scientist	Date:	12/02/2021

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