

Analytical Test Report

Client: Green Crown	Final Report PHR-S2002315 Rev.01.00 Report Date: 30 JUNE 2020	Laboratory: PHR Labs, LLC 2020 Downyflake Lane, Suite 301 Allentown, PA 18103 215-220-9981
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Sample ID #	Sample Name	Batch	Matrix	Date Received	Date Tested	Serving size weight
PHR-S20-02315	Topical Cream	N/A	MIP	29 June 2020	29 June 2020	1 gram

The test results presented in this report are accurate, complete, and compliant with the PHR Labs quality control criteria.

Authorization



Corey Fitze
Chief Operating Officer

This test is accredited under the laboratory's ISO/IEC 17025 accreditation issued by ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation AT-2685.01.



Case Narrative:

For cannabinoids, the sample was extracted using organic solvents and analyzed via High Performance Liquid Chromatography (HPLC-UV). The collected data was compared to data collected from analytical reference standards at known concentrations. Values reported below quantitation limits are for informational purposes.

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Requested Testing:

Test	Code	Procedure	Analytes Tested
Cannabinoid Profile	CN	PHR-TM-0002	CBGA, CBG, THCA, Δ9-THC, Δ8-THC, CBDA, CBD, CBNA, CBN, CBCA, CBC, CBLA, CBL, CBDVA, CBDV, THCVA, THCV

Cannabinoid Profile [PCR-TM-0002]

Analyst: CL

Test Date: 29 Jun 20

The sample was analyzed for cannabinoids via High Performance Liquid Chromatography (HPLC-UV). The collected data was compared to data collected from certified analytical reference standards at known concentrations.

Table. 1. 20-02315 Topical Cream N/A MIP Cannabinoid Testing

Analyte	Cannabinoid	Conc. (mg/serving size)	Conc. (mg/g)	LOQ (mg/g)	LOD (mg/g)
CBDVA	Cannabidivarinic acid	ND	ND	0.1	0.004
CBDV	Cannabidivarin	0.2	0.20	0.1	0.004
CBDA	Cannabidiolic acid	0.1	0.10	0.1	0.022
CBGA	Cannabigerolic acid	ND	ND	0.1	0.03
CBG	Cannabigerol	0.91	0.91	0.1	0.033
CBD	Cannabidiol	43.18	43.18	0.1	0.011
THCV	Tetrahydrocannabivarin	ND	ND	0.1	0.006
THCVA	Tetrahydrocannabivarinic acid	ND	ND	0.1	0.013
CBN	Cannabinol	ND	ND	0.1	0.008
CBNA	Cannabinolic acid	ND	ND	0.1	0.008
Δ 9-THC	Δ 9-Tetrahydrocannabinol	1.47	1.47	0.1	0.1
Δ 8-THC	Δ 8-Tetrahydrocannabinol	ND	ND	0.1	0.007
CBL	Cannabicyclol	ND	ND	0.1	0.014
CBC	Cannabichromene	2.1	2.10	0.1	0.009
THCA	Tetrahydrocannabinolic acid	ND	ND	0.1	0.015
CBCA	Cannabichromenic acid	ND	ND	0.5	0.025
CBLA	Cannabicyclolic acid	ND	ND	0.1	0.011

Note: ND = Not Detected; LOQ = Limit of Quantitation; LOD = Limit of Detection; BQL = Below Quantitation Limit.

QA/QC

Cannabinoid Profile [PCR-TM-0002]

Analyst: JJ

Test Date: 29 Jun 20

The sample data for certified reference standards was collected at known concentrations of cannabinoids in solution.

QC-0.05 mg/mL 17 cannabinoid multi-component 44004

ID	Cannabinoid	Nominal Prep Conc (mg/mL)	Measured Conc. (mg/mL)	Recovery (%)
CBDVA	Cannabidivarinic acid	0.05	0.053	106%
CBDV	Cannabidivarin	0.05	0.052	104%
CBDA	Cannabidiolic acid	0.05	0.055	110%
CBGA	Cannabigerolic acid	0.05	0.052	104%
CBG	Cannabigerol	0.05	0.054	108%
CBD	Cannabidiol	0.05	0.052	104%
THCV	Tetrahydrocannabivarin	0.05	0.048	96%
THCVA	Tetrahydrocannabivarinic acid	0.05	0.051	101%
CBN	Cannabinol	0.05	0.051	102%
CBNA	Cannabinolic acid	0.05	0.052	104%
Δ 9-THC	Δ 9-Tetrahydrocannabinol	0.05	0.053	105%
Δ 8-THC	Δ 8-Tetrahydrocannabinol	0.05	0.051	102%
CBL	Cannabicyclol	0.05	0.052	104%
CBC	Cannabichromene	0.05	0.053	106%
THCA	Tetrahydrocannabinolic acid	0.05	0.055	109%
CBCA	Cannabichromenic acid	0.05	0.052	104%
CBLA	Cannabicyclolic acid	0.05	0.051	102%

Criteria for successful analysis is QC recovery to be $\leq 20\%$ above or below nominal.

END OF REPORT