

## Analytical Test Report

<b>Client:</b> David Rubenstein	<b>Final Report</b> PHR-S2002804 Rev.01.00  Report Date: 29 JULY 2020	<b>Laboratory:</b> 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	Sample Weight
PHR-S20-02804	Organic CBD/MCT/Plain 2000mg	N/A	Concentrate	28 July 2020	28 July 2020	8.08 g

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: 28 Jul 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. 20-02804 Organic CBD/MCT/Plain 2000mg N/A Concentrate Cannabinoid Testing**

Analyte	Cannabinoid	Conc. (weight %)	Conc. (mg/g)	LOQ (weight %)	LOD (weight %)
CBDVA	Cannabidivarinic acid	ND	ND	0.10%	0.01%
CBDV	Cannabidivarin	ND	ND	0.10%	0.01%
CBDA	Cannabidiolic acid	ND	ND	0.10%	0.02%
CBGA	Cannabigerolic acid	ND	ND	0.10%	0.03%
CBG	Cannabigerol	ND	ND	0.10%	0.03%
CBD	Cannabidiol	7.6%	75.66	0.10%	0.01%
THCV	Tetrahydrocannabivarin	ND	ND	0.10%	0.01%
THCVA	Tetrahydrocannabivarinic acid	ND	ND	0.10%	0.01%
CBN	Cannabinol	ND	ND	0.10%	0.01%
CBNA	Cannabinolic acid	ND	ND	0.10%	0.01%
$\Delta$ 9-THC	$\Delta$ 9-Tetrahydrocannabinol	0.3%	2.93	0.10%	0.01%
$\Delta$ 8-THC	$\Delta$ 8-Tetrahydrocannabinol	ND	ND	0.10%	0.01%
CBL	Cannabicyclol	ND	ND	0.10%	0.01%
CBC	Cannabichromene	0.3%	2.98	0.10%	0.01%
THCA	Tetrahydrocannabinolic acid	ND	ND	0.10%	0.01%
CBCA	Cannabichromenic acid	ND	ND	0.50%	0.02%
CBLA	Cannabicyclolic acid	ND	ND	0.10%	0.01%

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

**QA/QC****Cannabinoid Profile [PCR-TM-0002]**

Analyst: JA

Test Date: 28 Jul 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 7/16/2020**

ID	Cannabinoid	Nominal Prep Conc (mg/mL)	Measured Conc. (mg/mL)	Recovery (%)
CBDVA	Cannabidivarinic acid	0.05	0.047	94%
CBDV	Cannabidivarin	0.05	0.047	94%
CBDA	Cannabidiolic acid	0.05	0.050	100%
CBGA	Cannabigerolic acid	0.05	0.047	94%
CBG	Cannabigerol	0.05	0.049	98%
CBD	Cannabidiol	0.05	0.049	97%
THCV	Tetrahydrocannabivarin	0.05	0.048	96%
THCVA	Tetrahydrocannabivarinic acid	0.05	0.046	92%
CBN	Cannabinol	0.05	0.049	98%
CBNA	Cannabinolic acid	0.05	0.048	95%
$\Delta$ 9-THC	$\Delta$ 9-Tetrahydrocannabinol	0.05	0.050	100%
$\Delta$ 8-THC	$\Delta$ 8-Tetrahydrocannabinol	0.05	0.050	99%
CBL	Cannabicyclol	0.05	0.048	96%
CBC	Cannabichromene	0.05	0.049	98%
THCA	Tetrahydrocannabinolic acid	0.05	0.051	102%
CBCA	Cannabichromenic acid	0.05	0.048	96%
CBLA	Cannabicyclolic acid	0.05	0.044	88%

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

END OF REPORT