

## Analytical Test Report

<b>Client:</b> HemPur	<b>Final Report</b> PHR-S2002701 Rev.01.00  Report Date: 22 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	Serving size weight
PHR-S20-02701	Relief Cream	N/A	MIP	21 July 2020	21 July 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: AP

Test Date: 21 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. 20-02701 Relief 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	ND	ND	0.1	0.004
CBDA	Cannabidiolic acid	ND	ND	0.1	0.022
CBGA	Cannabigerolic acid	ND	ND	0.1	0.03
CBG	Cannabigerol	ND	ND	0.1	0.033
CBD	Cannabidiol	6.33	6.33	0.1	0.011
THCV	Tetrahydrocannabivarin	ND	ND	0.1	0.006
THCVA	Tetrahydrocannabivarinic acid	0.15	0.15	0.1	0.013
CBN	Cannabinol	ND	ND	0.1	0.008
CBNA	Cannabinolic acid	ND	ND	0.1	0.008
$\Delta$ 9-THC	$\Delta$ 9-Tetrahydrocannabinol	ND	ND	0.1	0.1
$\Delta$ 8-THC	$\Delta$ 8-Tetrahydrocannabinol	ND	ND	0.1	0.007
CBL	Cannabicyclol	ND	ND	0.1	0.014
CBC	Cannabichromene	ND	ND	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: JA

Test Date: 21 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 44028**

ID	Cannabinoid	Nominal Prep Conc (mg/mL)	Measured Conc. (mg/mL)	Recovery (%)
CBDVA	Cannabidivarinic acid	0.05	0.047	94%
CBDV	Cannabidivarin	0.05	0.046	92%
CBDA	Cannabidiolic acid	0.05	0.049	98%
CBGA	Cannabigerolic acid	0.05	0.046	92%
CBG	Cannabigerol	0.05	0.048	96%
CBD	Cannabidiol	0.05	0.047	94%
THCV	Tetrahydrocannabivarin	0.05	0.047	94%
THCVA	Tetrahydrocannabivarinic acid	0.05	0.046	91%
CBN	Cannabinol	0.05	0.048	96%
CBNA	Cannabinolic acid	0.05	0.046	92%
$\Delta$ 9-THC	$\Delta$ 9-Tetrahydrocannabinol	0.05	0.048	96%
$\Delta$ 8-THC	$\Delta$ 8-Tetrahydrocannabinol	0.05	0.048	96%
CBL	Cannabicyclol	0.05	0.047	94%
CBC	Cannabichromene	0.05	0.048	96%
THCA	Tetrahydrocannabinolic acid	0.05	0.050	100%
CBCA	Cannabichromenic acid	0.05	0.046	91%
CBLA	Cannabicyclolic acid	0.05	0.044	87%

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

END OF REPORT