

## Analytical Test Report

<b>Client:</b> IPS Inc	<b>Final Report</b> PHR-S2002500 Rev.01.00  Report Date:                      14 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-S20-02500	Tincture 30ml	02-2020	MIP	13 July 2020	13 July 2020	1 gram

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

Authorization                      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.



Corey Fitze  
Chief Operating Officer



**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: 13 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. 20-02500 Tincture 30ml 02-2020 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	0.27	0.27	0.1	0.004
CBDA	Cannabidiolic acid	1.12	1.12	0.1	0.022
CBGA	Cannabigerolic acid	ND	ND	0.1	0.03
CBG	Cannabigerol	0.61	0.61	0.1	0.033
CBD	Cannabidiol	35.3	35.30	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
$\Delta$ 9-THC	$\Delta$ 9-Tetrahydrocannabinol	1.49	1.49	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	2.34	2.34	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

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**Cannabinoid Profile [PCR-TM-0002]**      Analyst: MD      Test Date: 13 Jul 20
 

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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	0.051	102%
CBDV	Cannabidivarin	0.05	0.051	102%
CBDA	Cannabidiolic acid	0.05	0.054	107%
CBGA	Cannabigerolic acid	0.05	0.050	100%
CBG	Cannabigerol	0.05	0.053	106%
CBD	Cannabidiol	0.05	0.051	102%
THCV	Tetrahydrocannabivarin	0.05	0.049	98%
THCVA	Tetrahydrocannabivarinic acid	0.05	0.048	96%
CBN	Cannabinol	0.05	0.050	100%
CBNA	Cannabinolic acid	0.05	0.049	98%
$\Delta$ 9-THC	$\Delta$ 9-Tetrahydrocannabinol	0.05	0.051	102%
$\Delta$ 8-THC	$\Delta$ 8-Tetrahydrocannabinol	0.05	0.049	98%
CBL	Cannabicyclol	0.05	0.051	102%
CBC	Cannabichromene	0.05	0.052	104%
THCA	Tetrahydrocannabinolic acid	0.05	0.053	106%
CBCA	Cannabichromenic acid	0.05	0.051	102%
CBLA	Cannabicyclolic acid	0.05	0.049	98%

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

END OF REPORT