Utah Department of Agriculture and Food
Division of Laboratory Services
4451 South 2700 West
Taylorsville, Utah 84129
(801) 816-3840

CERTIFICATE OF ANALYSIS

Sample Information

UDAF Lab #	HP23179-2	**Issue Date:**	06/29/2023
Client:	PurHealth Labs	**Client Email:**	jgunderson@purhealthlabs.com
Producer:	PurHealth Labs	**Sample Type:**	Liquid Suspension
Description:	1500 mg Mocha 1oz		
Batch/Lot Number:	23175	**Date Received:**	06/28/2023
Date Collected:	06/27/2023	**Collected By:**	Self-Submitted

Notes:

Testing Summary

Status: PASS

Analysis:	Testing Date:	Status:	Notes:
Cannabinoids	06/29/2023	PASS	

Approved By: _____ Date: 06/29/2023

Brandon Forsyth, Ph.D
State Chemist

Utah Department of Agriculture and Food
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Taylorsville, Utah 84129
(801) 816-3840

CERTIFICATE OF ANALYSIS

Cannabinoid Analysis **Status:** PASS

Sample ID:	HP23179-2	**Description:**	1500 mg Mocha 1oz
Testing Date:	06/29/2023	**Reviewed By:**	Cameron Cheyne

Method: ACL.AM.003 Analysis performed using High-Performance Liquid Chromatography (HPLC-DAD)

Analyte	Abbreviation	CAS Number	% (w/w)	mg/g
Δ9-Tetrahydrocannabidiol	Δ9-THC	1972-08-03	ND	ND
Δ8-Tetrahydrocannabidiol	Δ8-THC	5957-75-5	ND	ND
Δ9-Tetrahydrocannabinolic acid	THCA	23978-85-0	ND	ND
Δ9-Tetrahydrocannabivarin	THCV	31262-37-0	ND	ND
Cannabidiol	CBD	13956-29-1	0.39%	3.9
Cannabidiolic acid	CBDA	1244-58-2	ND	ND
Cannabidivarin	CBDV	24274-48-4	0.08%	0.8
Cannabinol	CBN	521-35-7	ND	ND
Cannabigerol	CBG	25654-31-3	<LOQ	<LOQ
Cannabichromene	CBC	20675-51-8	ND	ND
Cannabigerolic acid	CBGA	25555-57-1	ND	ND
Cannabichromenic acid	CBCA	20408-52-0	ND	ND
9(R+S)-Δ6a,10a-Tetrahydrocannabidiol	Δ3-THC	95720-01-07, 95720-02-8	ND	ND
(6aR,9R)-Δ10-Tetrahydrocannabidiol	(6aR,9R)-Δ10-THC	95543-62-7	ND	ND
(6aR,9S)-Δ10-Tetrahydrocannabidiol	(6aR,9S)-Δ10-THC	95588-87-7	ND	ND
Total Cannabinoids			0.48%	4.8
Total THC			0.00%	0.0
Total CBD			0.39%	3.9

Unknown Cannabinoid Peak Area: 4.7% **Status:** PASS

Notes:

Total Cannabinoids is calculated as the direct sum of each of the cannabinoid values.
Total THC is calculated as Δ9-THC + (THCA x 0.877).
Total CBD is calculated as CBD + (CBDA x 0.877).

ND = Not Detected, NQ = Not Quantifiable, NT = Not Tested, <LOQ = Below the limit of quantification

Analytical Resource Laboratories
47-2854223
520 South 850 East, Suite B3
Lehi, UT 84043
801-847-7722
www.analyticalresource.com
info@yourqualitylab.com

Certificate of Analysis

Client Information

PurHealth RX
14663 S. Heritage Crest Way
Bluffdale, UT 84065
USA
801.903.7789

Sample Information

ARL ID: 684698
Date Received: 6/26/2023
Date Tested: 6/29/2023
Description: 1500 mg Mocha 1 oz
Lot#: 23175

Results

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
Complete Micro Profile Pseudomonas	USP, AOAC					1
Total Plate Count	USP <2021>	10	Record Only	None Detected	cfu's/g	1
Coliforms	AOAC 991.14	10	Record Only	None Detected	cfu's/g	1
E. coli	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Staphylococcus aureus	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Salmonella	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Pseudomonas aeruginosa	USP <62>	Absent	Record Only	Absent	cfu's/g	1
Yeast	USP <2021>	10	Record Only	None Detected	cfu's/g	1
Mold	USP <2021>	10	Record Only	None Detected	cfu's/g	1

†**Method Detection Limit (MDL):**
In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None Detected", it means any visible growth was below this limit.

†**Limit of Quantitation (LOQ):**
In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

Under accreditation number 77504, ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and scope are also available upon request.

Spencer Ashby

HM: Heavy Metal Analysis (WI-10-13) *Analyst: JFD* *Test Date: 3 29 2016*

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

25691-HM

Symbol	Metal	Conc.[1]	Units	MDL	Use Limits[2] All	Use Limits[2] Ingestion	Units	Status
As	Arsenic	ND	µg/kg	4	200	1500	µg/kg	PASS
Cd	Cadmium	3	µg/kg	1	200	500	µg/kg	PASS
Hg	Mercury	3	µg/kg	2	100	1500	µg/kg	PASS
Pb	Lead	37	µg/kg	2	500	1000	µg/kg	PASS

1) ND = None detected to Lowest Limits of Detection (LLD)
2) MA Dept. of Public Health: Protocol for MMJ and MIPS, Exhibit 4(a) for all products.
3)USP exposure limits based on daily oral dosing of 1g of concentrate for a 110 lb person.

MB1: Microbiological Contaminants (WI-10-09) *Analyst: Alyson* *Test Date: 3 29 2016*

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

25691-MB1

Symbol	Analysis	Results	Units	Limits*	Status
AC	Total Aerobic Bacterial Count	<100	CFU/g	10,000 CFU/g	PASS
CC	Total Coliform Bacterial Count	<100	CFU/g	100 CFU/g	PASS
EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	100 CFU/g	PASS
YM	Total Yeast & Mold	<100	CFU/g	1,000 CFU/g	PASS

Note: All recorded Microbiological tests are within the established limits.

MB2: Pathogenic Bacterial Contaminants (WI-10-10) *Analyst: mar* *Test Date: 3 29 2016*

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety

25691-MB2

Test ID	Analysis	Results	Units	Limits*	Status
25691-ECPT	E. coli (O157)	Negative	NA	Non Detected	PASS
25691-SPT	Salmonella	Negative	NA	Non Detected	PASS

Note: All recorded pathogenic bacteria tests passed.

PST: Pesticide Analysis [WT-10-11] *Analyst: KSB* *Test Date: 3/29/2018*

The client sample was analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis (EN 15662)

23691-PST

Analyte	CAS	Result	Units	LLD	Limits (ppb)	Status
Abamectin	71751-41-2	ND	ppb	0.2	10	PASS
Azoxystrobin	131860-33-8	ND	ppb	0.1	10	PASS
Bifenazate	149877-41-8	ND	ppb	0.1	10	PASS
Bifenthrin	82657-04-3	ND	ppb	0.2	10	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.5	10	*
Daminozide	1596-84-5	ND	ppb	10	10	PASS
Dichlorvos	62-73-7	ND	ppb	3	10	*
Etoxazole	153233-91-1	ND	ppb	0.1	10	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.1	10	PASS
Imazalil	35554-44-0	ND	ppb	0.1	10	PASS
Imidacloprid	138261-41-3	ND	ppb	0.1	10	PASS
Myclobutanil	88671-89-0	ND	ppb	0.1	10	PASS
Paclobutrazol	76738-62-0	ND	ppb	0.1	10	PASS
Piperonyl butoxide	51-03-6	ND	ppb	0.1	10	PASS
Pyrethrin	8003-34-7	ND	ppb	0.1	10	PASS
Spinosad	168316-95-8	ND	ppb	0.1	10	PASS
Spiromesifen	283594-90-1	ND	ppb	0.1	10	PASS
Spirotetramat	203313-25-1	ND	ppb	0.1	10	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.1	10	PASS

* Testing limits established by the Massachusetts Department of Public Health. Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries. Exhibit 5. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.

20 Fortune Blvd. • Milford, MA 01757 • 617-221-8356
www.ProVerdeLabs.com

VC: Analysis of Volatile Organic Compounds [WI-10-07] Analyst: CJH Test Date: 3/29/2018

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

25691-VC

Compound	CAS	Amount [1]	Limit [2]	Status
Propane	74-98-6	ND	N/A	-
Butane	106-97-8	ND	5,000 ppm	PASS
Methanol	67-56-1	ND	3,000 ppm	PASS
Ethanol	64-17-5	ND	5,000 ppm	PASS
2,2-dimethylbutane		ND	N/A	-
Acetone	67-64-1	ND	5,000 ppm	PASS
Isopropanol	67-63-0	ND	5,000 ppm	PASS
2,3-dimethylbutane	79-29-8	ND	N/A	-
3-methylpentane	96-14-0	ND	N/A	-
Hexane	110-54-3	ND	290 ppm	PASS
1-propanol	71-23-8	ND	5,000 ppm	PASS
Toluene	108-88-3	ND	890 ppm	PASS

1) ND = None detected above 5 ppm.
2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

END OF REPORT