

Prepared for:
Vlasic Labs

1699 Traditional
Commerce, MI USA 48390


100mg/mL CBD BS Dist Tincture Natural

Batch ID or Lot Number: Lot: 231127006 Item: 221.001.0127	Test: Potency	Reported: 29Nov2023	USDA License: N/A
Matrix: Solution	Test ID: T000263246	Started: 29Nov2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 29Nov2023	Status: N/A

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.056	0.198	<LOQ	<LOQ	Density = 0.952g/mL
Cannabichromenic Acid (CBCA)	0.051	0.181	ND	ND	
Cannabidiol (CBD)	0.168	0.457	102.430	107.60	
Cannabidiolic Acid (CBDA)	0.173	0.469	ND	ND	
Cannabidivarin (CBDV)	0.040	0.108	0.610	0.60	
Cannabidivarinic Acid (CBDVA)	0.072	0.195	ND	ND	
Cannabigerol (CBG)	0.032	0.112	0.890	0.90	
Cannabigerolic Acid (CBGA)	0.132	0.470	ND	ND	
Cannabinol (CBN)	0.041	0.147	0.450	0.50	
Cannabinolic Acid (CBNA)	0.090	0.321	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.157	0.560	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.143	0.509	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.126	0.451	ND	ND	
Tetrahydrocannabivarin (THCV)	0.029	0.102	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.111	0.398	ND	ND	
Total Cannabinoids			104.380	109.60	
Total Potential THC			ND	ND	
Total Potential CBD			102.430	107.60	

Final Approval



Karen Winternheimer
29Nov2023
01:53:00 PM MST

PREPARED BY / DATE



Sam Smith
29Nov2023
01:56:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/922d890f-2431-41b1-b8ae-2512aa968cf7>

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

922d890f243141b1b8ae2512aa968cf7.1

Prepared for:
Vlasic Labs

1699 Traditional
Commerce, MI USA 48390

100mg/mL CBD BS Dist Tincture Natural

Batch ID or Lot Number: Lot: 231127006 Item: 221.001.0127	Test: Heavy Metals	Reported: 30Nov2023	USDA License: NA
Matrix: Finished Product	Test ID: T000263248	Started: 29Nov2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 29Nov2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.32	ND	
Cadmium	0.04 - 4.28	ND	
Mercury	0.04 - 4.24	ND	
Lead	0.04 - 4.34	ND	

Final Approval


Sam Smith
30Nov2023
07:58:00 AM MST

PREPARED BY / DATE


Karen Winternheimer
30Nov2023
08:00:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f9322954-44fc-45fb-9f47-8cb23c8e8207>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:
Vlasic Labs


1699 Traditional
Commerce, MI USA 48390

100mg/mL CBD BS Dist Tincture Natural

Batch ID or Lot Number: Lot: 231127006 Item: 221.001.0127	Test: Residual Solvents	Reported: 30Nov2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000263249	Started: 29Nov2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 29Nov2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	85 - 1707	ND	
Butanes (Isobutane, n-Butane)	168 - 3351	ND	
Methanol	62 - 1245	ND	
Pentane	92 - 1833	ND	
Ethanol	98 - 1965	ND	
Acetone	96 - 1924	ND	
Isopropyl Alcohol	103 - 2070	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	100 - 1994	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	95 - 1905	ND	
Toluene	18 - 359	ND	
Xylenes (m,p,o-Xylenes)	131 - 2621	ND	

Final Approval



Karen Winternheimer
30Nov2023
12:48:00 PM MST

PREPARED BY / DATE



Sam Smith
30Nov2023
12:50:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/39b1ac48-1ff2-432c-9501-013e683365b3>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02
39b1ac481ff2432c9501013e683365b3.1

Prepared for:
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1699 Traditional
Commerce, MI USA 48390

100mg/mL CBD BS Dist Tincture Natural


Batch ID or Lot Number: Lot: 231127006 Item: 221.001.0127	Test: Pesticides	Reported: 01Dec2023	USDA License: NA
Matrix: Concentrate	Test ID: T000263247	Started: 30Nov2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 29Nov2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	385 - 3277	ND
Acephate	43 - 2767	ND
Acetamiprid	42 - 2720	ND
Azoxystrobin	44 - 2764	ND
Bifenazate	44 - 2711	ND
Boscalid	41 - 2623	ND
Carbaryl	43 - 2708	ND
Carbofuran	44 - 2682	ND
Chlorantraniliprole	50 - 2579	ND
Chlorpyrifos	50 - 2781	ND
Clofentezine	283 - 2691	ND
Diazinon	289 - 2727	ND
Dichlorvos	283 - 2752	ND
Dimethoate	43 - 2726	ND
E-Fenproximate	286 - 2761	ND
Etofenprox	43 - 2781	ND
Etoxazole	287 - 2702	ND
Fenoxycarb	30 - 2714	ND
Fipronil	49 - 2636	ND
Flonicamid	43 - 2740	ND
Fludioxonil	315 - 2625	ND
Hexythiazox	42 - 2753	ND
Imazalil	263 - 2804	ND
Imidacloprid	43 - 2776	ND
Kresoxim-methyl	45 - 2761	ND

Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	280 - 2762	ND
Metalaxyl	46 - 2743	ND
Methiocarb	47 - 2707	ND
Methomyl	44 - 2802	ND
MGK 264 1	164 - 1610	ND
MGK 264 2	113 - 1089	ND
Myclobutanil	17 - 2632	ND
Naled	46 - 2642	ND
Oxamyl	43 - 2793	ND
Pacllobutrazol	48 - 2595	ND
Permethrin	260 - 2759	ND
Phosmet	43 - 2585	ND
Prophos	303 - 2679	ND
Propoxur	45 - 2707	ND
Pyridaben	298 - 2830	ND
Spinosad A	32 - 2128	ND
Spinosad D	65 - 685	ND
Spiromesifen	273 - 2747	ND
Spirotetramat	267 - 2754	ND
Spiroxamine 1	16 - 1027	ND
Spiroxamine 2	28 - 1553	ND
Tebuconazole	286 - 2594	ND
Thiacloprid	43 - 2746	ND
Thiamethoxam	40 - 2752	ND
Trifloxystrobin	46 - 2738	ND

Final Approval



Karen Winternheimer
01Dec2023
09:36:00 AM MST

PREPARED BY / DATE



Sam Smith
01Dec2023
09:42:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/16b7532e-2a3c-47fa-9fe5-e1c434c87eaa>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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Cert #4329.02
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Prepared for:
Vlasic Labs

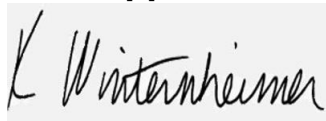
1699 Traditional
Commerce, MI USA 48390

100mg/mL CBD BS Dist Tincture Natural

Batch ID or Lot Number: Lot: 231127006 Item: 221.001.0127	Test: Mycotoxins	Reported: 07Dec2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000263250	Started: 06Dec2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 29Nov2023	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.68 - 126.27	ND	N/A
Aflatoxin B1	1.00 - 31.85	ND	
Aflatoxin B2	0.90 - 32.28	ND	
Aflatoxin G1	1.00 - 32.16	ND	
Aflatoxin G2	1.06 - 32.72	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Karen Winternheimer
07Dec2023
12:55:00 PM MST

PREPARED BY / DATE



Sam Smith
07Dec2023
12:56:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/17011e07-0ef6-4b97-8f43-3bd6fe89e7db>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02
17011e070ef64b978f433bd6fe89e7db.1



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 23-014147/D004.R000
Report Date: 12/11/2023
ORELAP#: OR100028
Purchase Order:
Received: 12/04/23 11:16

Customer: Vlastic Labs
Product identity: 100mg/mL CBD BS Dist Tincture Natural - Lot: 231127006 Item: 221.001.0127
Client/Metric ID: .
Laboratory ID: 23-014147-0003

Summary

Microbiology:

Less than LOQ for all analytes.



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 23-014147/D004.R000
Report Date: 12/11/2023
ORELAP#: OR100028
Purchase Order:
Received: 12/04/23 11:16

Customer: Vlastic Labs
 1699 Traditional Commerce
 Walled Lake Michigan 48390
 United States of America (USA)

Product identity: 100mg/mL CBD BS Dist Tincture Natural - Lot: 231127006 Item: 221.001.0127

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-014147-0003

Evidence of Cooling: No

Temp: 22.3 °C

Relinquished by: shipping

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2313297	12/07/23 AOAC 990.12 (Petrifilm) ^P		
E.coli	< LOQ		cfu/g	10	2313295	12/07/23 AOAC 991.14 (Petrifilm) ^P		
Total Coliforms	< LOQ		cfu/g	10	2313295	12/07/23 AOAC 991.14 (Petrifilm) ^P		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2313296	12/08/23 AOAC 2014.05 (RAPID) ^P		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2313296	12/08/23 AOAC 2014.05 (RAPID) ^P		



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Report Number: 23-014147/D004.R000
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Purchase Order:
Received: 12/04/23 11:16

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

^p = ISO/IEC 17025:2017 accredited method.

Units of Measure

cfu/g = Colony forming units per gram

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 23-014147/D004.R000
Report Date: 12/11/2023
ORELAP#: OR100028
Purchase Order:
Received: 12/04/23 11:16



**Hemp & Cannabis
 Chain of Custody**

Vlasic-Labs-1701207556

ORELAP ID: **OR1000028** ANAB ISO 17025 ID: **AT1508**

Contact Information Company: <u>Vlasic Labs</u> Contact: <u>Trevor Palmer</u> Street Address: <u>1699 Traditional Commerce</u> City, State, Zip: <u>Walled Lake, Michigan 48390</u> Email: <u>Trevor@partneredprocess.com</u> Contact Phone: <u>2628756886</u> Billing Information Billing Email: <u>Drew@partneredprocess.com</u>		Project Details Turnaround Time: <u>5 Business Days Reg. For Micro Testing Standard</u> Sample Relinquishment Options: <u>By Shipping Service (USPS, UPS, FedEx)</u> Compliance: <u>Compliance</u>		Testing M100-Micro Profile D
#	Sample Name Test	Material	Amount Provided	
1	Syrup Corn 42DE Lot: 221229063 Item: 4080010017	Edible	30 ml	✓
2	60mg/mL CBG Isolate Tincture Natural - Lot: 23128002 Item: 2210010128	Tincture	10 ml	✓
3	100mg/mL CBD BS Dist Tincture Natural - Lot: 23122006 Item: 2210010127	Tincture	10 ml	✓

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Trevor Scott Palmer</i>	<i>11/28/2023</i>	<i>15:39</i>	<i>awk</i>	<i>12/4/2023</i>	<i>11:16</i>	<i>22.3</i>	<i>No</i>

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
 12423 NE Whitaker Way
 Portland, OR 97230

T: (503)254-1754 / Fax: (503)254-1452
[info@columbialaboratories.com](http://info.columbialaboratories.com)

Page 1 of 1
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12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 23-014147/D004.R000
Report Date: 12/11/2023
ORELAP#: OR100028
Purchase Order:
Received: 12/04/23 11:16





Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.