

Prepared for:  
**Vlasic Labs**

1699 Traditional  
Commerce, MI USA 48390

## 16.7mg/ml cbd iso 16.7mg/ml cbn iso sleep spray

Batch ID or Lot Number: <b>230630001</b>	Test: <b>Potency</b>	Reported: <b>07Jul2023</b>	USDA License: N/A
Matrix: Solution	Test ID: T000248014	Started: 06Jul2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 05Jul2023	Status: N/A

### Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.052	0.162	ND	ND	Density = 0.947g/mL
Cannabichromenic Acid (CBCA)	0.047	0.148	ND	ND	
Cannabidiol (CBD)	0.211	0.496	17.740	18.70	
Cannabidiolic Acid (CBDA)	0.216	0.508	ND	ND	
Cannabidivarin (CBDV)	0.050	0.117	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.090	0.212	ND	ND	
Cannabigerol (CBG)	0.029	0.092	ND	ND	
Cannabigerolic Acid (CBGA)	0.123	0.385	ND	ND	
Cannabinol (CBN)	0.038	0.120	17.010	18.00	
Cannabinolic Acid (CBNA)	0.084	0.263	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.147	0.459	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.133	0.417	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.118	0.369	ND	ND	
Tetrahydrocannabivarin (THCV)	0.027	0.084	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.104	0.326	ND	ND	
<b>Total Cannabinoids</b>			<b>34.750</b>	<b>36.70</b>	
Total Potential THC			ND	ND	
Total Potential CBD			17.740	18.70	

### Final Approval



Karen Winternheimer  
07Jul2023  
09:32:00 AM MDT

PREPARED BY / DATE



Sam Smith  
07Jul2023  
09:35:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/6a82ce5d-ccf9-4398-b2fe-d2997e0e46cd>

#### 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 Accredited by A2LA.



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Prepared for:  
**Vlasic Labs**

1699 Traditional  
Commerce, MI USA 48390

## 16.7mg/ml cbd iso 16.7mg/ml cbn iso sleep spray

Batch ID or Lot Number: <b>230630001</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 2
Reported: <b>21Jul2023</b>	Started: 21Jul2023	Received: 20Jul2023	


### Residual Solvents


Test ID: T000249639

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	118 - 2352	ND	
Butanes (Isobutane, n-Butane)	243 - 4857	ND	
Methanol	68 - 1358	ND	
Pentane	122 - 2437	ND	
Ethanol	110 - 2199	ND	
Acetone	119 - 2379	ND	
Isopropyl Alcohol	110 - 2195	ND	
Hexane	7 - 146	ND	
Ethyl Acetate	117 - 2332	ND	
Benzene	0.2 - 4.7	ND	
Heptanes	118 - 2370	ND	
Toluene	20 - 391	ND	
Xylenes (m,p,o-Xylenes)	131 - 2610	ND	

### Final Approval

  
Karen Winternheimer  
21Jul2023  
02:46:00 PM MDT  
PREPARED BY / DATE

  
Sam Smith  
21Jul2023  
02:48:00 PM MDT  
APPROVED BY / DATE

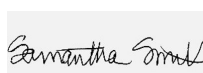
### Heavy Metals


Test ID: T000249638

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.37	ND	
Cadmium	0.05 - 4.55	ND	
Mercury	0.06 - 5.54	ND	
Lead	0.04 - 4.49	ND	

### Final Approval

  
Sam Smith  
25Jul2023  
01:20:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
25Jul2023  
01:23:00 PM MDT  
APPROVED BY / DATE

Prepared for:  
**Vlasic Labs**

1699 Traditional  
Commerce, MI USA 48390

## 16.7mg/ml cbd iso 16.7mg/ml cbn iso sleep spray

Batch ID or Lot Number: <b>230630001</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 2
Reported: <b>21Jul2023</b>	Started: 21Jul2023	Received: 20Jul2023	



<https://results.botanacor.com/api/v1/coas/uuid/69782a40-6804-4acd-a48e-ac840e83ef5d>

**Definitions**  
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (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)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa \*(0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 100,000 CFU.

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69782a4068044acda48eac840e83ef5d.1



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



**Report Number:** 23-008176/D002.R000  
**Report Date:** 07/18/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 07/12/23 10:26

**Customer:** Partnered Process LLC  
**Product identity:** 16.7mg/ ml CBD Isolate, 16.7mg/ml CBN Isolate Tincture  
**Client/Metric ID:** .  
**Laboratory ID:** 23-008176-0001

## Summary

### Microbiology:

*Less than LOQ for all analytes.*



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 503-254-1794



**Report Number:** 23-008176/D002.R000  
**Report Date:** 07/18/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 07/12/23 10:26

**Customer:** Partnered Process LLC  
 402 Travis Ln  
 Waukesha Wisconsin 53189  
 United States of America (USA)

**Product identity:** 16.7mg/ ml CBD Isolate, 16.7mg/ml CBN Isolate Tincture

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 23-008176-0001

**Evidence of Cooling:** No

**Temp:** 25.6 °C

**Relinquished by:** Shipping

### Sample Results

#### Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2309013	07/15/23 AOAC 990.12 (Petrifilm) <sup>P</sup>		
E.coli	< LOQ		cfu/g	10	2309011	07/15/23 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Total Coliforms	< LOQ		cfu/g	10	2309011	07/15/23 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2309012	07/15/23 AOAC 2014.05 (RAPID) <sup>P</sup>		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2309012	07/15/23 AOAC 2014.05 (RAPID) <sup>P</sup>		



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**Purchase Order:**  
**Received:** 07/12/23 10:26

**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.

<sup>p</sup> = 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:** 23-008176/D002.R000  
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**Purchase Order:**  
**Received:** 07/12/23 10:26





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.



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## 16.7mg/ml cbd iso 16.7mg/ml cbn iso sleep spray

Batch ID or Lot Number: <b>230630001</b>	Test: <b>Mycotoxins</b>	Reported: <b>27Jul2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000249640	Started: 26Jul2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 20Jul2023	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.47 - 138.29	ND	N/A
Aflatoxin B1	0.96 - 32.85	ND	
Aflatoxin B2	1.12 - 32.89	ND	
Aflatoxin G1	1.22 - 32.79	ND	
Aflatoxin G2	1.12 - 33.11	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

## Final Approval



Sam Smith  
27Jul2023  
07:32:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer  
27Jul2023  
07:37:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/0672c6d1-3008-4f16-a5f0-107a5510e942>

### 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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1699 Traditional  
Commerce, MI USA 48390

## 16.7mg/ml cbd iso 16.7mg/ml cbn iso sleep spray

Batch ID or Lot Number: <b>230630001</b>	Test: <b>Pesticides</b>	Reported: <b>28Jul2023</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000249637	Started: 27Jul2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 20Jul2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	268 - 2844	ND	Malathion	284 - 2765	ND
Acephate	42 - 2750	ND	Metalaxyl	42 - 2747	ND
Acetamiprid	41 - 2769	ND	Methiocarb	42 - 2785	ND
Azoxystrobin	42 - 2753	ND	Methomyl	39 - 2784	ND
Bifenazate	45 - 2725	ND	MGK 264 1	161 - 1688	ND
Boscalid	46 - 2724	ND	MGK 264 2	107 - 1070	ND
Carbaryl	43 - 2733	ND	Myclobutanil	48 - 2763	ND
Carbofuran	43 - 2729	ND	Naled	49 - 2738	ND
Chlorantraniliprole	39 - 2751	ND	Oxamyl	40 - 2789	ND
Chlorpyrifos	42 - 2743	ND	Pacllobutrazol	42 - 2713	ND
Clofentezine	278 - 2762	ND	Permethrin	276 - 2768	ND
Diazinon	302 - 2751	ND	Phosmet	42 - 2738	ND
Dichlorvos	272 - 2804	ND	Prophos	279 - 2785	ND
Dimethoate	40 - 2747	ND	Propoxur	42 - 2722	ND
E-Fenpyroximate	295 - 2751	ND	Pyridaben	301 - 2699	ND
Etofenprox	44 - 2734	ND	Spinosad A	28 - 2095	ND
Etoxazole	300 - 2724	ND	Spinosad D	66 - 664	ND
Fenoxycarb	2 - 2727	ND	Spiromesifen	294 - 2738	ND
Fipronil	52 - 2695	ND	Spirotetramat	295 - 2805	ND
Flonicamid	45 - 2783	ND	Spiroxamine 1	18 - 1248	ND
Fludioxonil	294 - 2761	ND	Spiroxamine 2	22 - 1532	ND
Hexythiazox	44 - 2740	ND	Tebuconazole	284 - 2736	ND
Imazalil	277 - 2786	ND	Thiacloprid	41 - 2741	ND
Imidacloprid	42 - 2796	ND	Thiamethoxam	39 - 2796	ND
Kresoxim-methyl	46 - 2746	ND	Trifloxystrobin	43 - 2712	ND

## Final Approval

  
Sam Smith  
28Jul2023  
12:20:00 PM MDT

PREPARED BY / DATE

  
Karen Winternheimer  
28Jul2023  
12:27:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/4eb2bc3d-d55d-43c9-a829-2ab28f85eb93>

### 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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