

Prepared for:  
**OZ Botanical**  
 455 Weaver Park Rd #200  
 Longmont, CO USA 80501

## Vitality

Batch ID or Lot Number: <b>B0005</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 5
Reported: <b>28Jul2022</b>	Started: 28Jul2022	Received: 26Jul2022	

## Density Analysis

Test ID: T000215427		
Methods: TL-SOP-0034 (Gravimetric)	<b>Result</b>	<b>Notes</b>
Density	0.934 g/ml	Free from visual mold, mildew, and foreign matter N/A

## Final Approval

 Kayla Phye 28Jul2022 08:31:00 AM MDT PREPARED BY / DATE	 Sam Smith 28Jul2022 01:17:00 PM MDT APPROVED BY / DATE
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## Cannabinoids - Colorado Compliance

Test ID: T000215422					
Methods: TM14 (HPLC-DAD): Potency – Standard					
Cannabinoid Analysis	<b>LOD (mg/mL)</b>	<b>LOQ (mg/mL)</b>	<b>Result (mg/mL)</b>	<b>Result (mg/g)</b>	<b>Notes</b>
Cannabichromene (CBC)	0.078	0.213	1.040	1.11	Density = 0.933502g/mL
Cannabichromenic Acid (CBCA)	0.072	0.195	ND	ND	
Cannabidiol (CBD)	0.222	0.543	25.400	27.21	
Cannabidiolic Acid (CBDA)	0.227	0.557	ND	ND	
Cannabidivarin (CBDV)	0.052	0.128	0.135	0.14	
Cannabidivarinic Acid (CBDVA)	0.095	0.232	ND	ND	
Cannabigerol (CBG)	0.045	0.121	0.368	0.39	
Cannabigerolic Acid (CBGA)	0.186	0.506	ND	ND	
Cannabinol (CBN)	0.058	0.158	<LOQ	0.11	
Cannabinolic Acid (CBNA)	0.127	0.345	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.222	0.602	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.202	0.547	0.594	0.64	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.179	0.485	ND	ND	
Tetrahydrocannabivarin (THCV)	0.041	0.110	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.158	0.427	ND	ND	
<b>Total Cannabinoids</b>			<b>27.642</b>	<b>29.61</b>	
Total Potential THC			0.594	0.64	
Total Potential CBD			25.400	27.21	

## Final Approval

 Jacob Miller 29Jul2022 01:11:00 PM MDT PREPARED BY / DATE	 Sam Smith 29Jul2022 01:19:00 PM MDT APPROVED BY / DATE
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**OZ Botanical**455 Weaver Park Rd #200  
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Reported: <b>28Jul2022</b>	Started: 28Jul2022	Received: 26Jul2022	

**Residual Solvents -  
Colorado Compliance**


Test ID: T000215426

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	80 - 1609	ND	
Butanes (Isobutane, n-Butane)	166 - 3314	ND	
Methanol	58 - 1168	ND	
Pentane	90 - 1794	ND	
Ethanol	90 - 1802	ND	
Acetone	97 - 1936	ND	
Isopropyl Alcohol	95 - 1900	ND	
Hexane	6 - 112	ND	
Ethyl Acetate	90 - 1790	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	95 - 1897	ND	
Toluene	17 - 343	ND	
Xylenes (m,p,o-Xylenes)	127 - 2550	ND	

**Final Approval**

Jacob Miller  
29Jul2022  
12:34:00 PM MDT

PREPARED BY / DATE

Sam Smith  
29Jul2022  
12:36:00 PM MDT

APPROVED BY / DATE

Prepared for:

**OZ Botanical**455 Weaver Park Rd #200  
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**Microbial  
Contaminants -  
Colorado Compliance**

Test ID: T000215424

Methods: TM25 (qPCR) TM24, TM26,  
TM27 (Culture Plating): Microbial  
(Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

**Final Approval**  
Brianne Maillot  
30Jul2022  
02:54:00 PM MDT

PREPARED BY / DATE



APPROVED BY / DATE

Brett Hudson  
31Jul2022  
10:59:00 AM MDT

Prepared for:  
**OZ Botanical**

455 Weaver Park Rd #200  
Longmont, CO USA 80501

## Vitality

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## Pesticides


Test ID: T000215423

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	405 - 2605	ND		Malathion	285 - 2791	ND
Acephate	41 - 2850	ND		Metalaxyl	45 - 2748	ND
Acetamiprid	41 - 2791	ND		Methiocarb	44 - 2766	ND
Azoxystrobin	44 - 2745	ND		Methomyl	41 - 2804	ND
Bifenazate	44 - 2726	ND		MGK 264 1	154 - 1655	ND
Boscalid	44 - 2740	ND		MGK 264 2	100 - 1154	ND
Carbaryl	40 - 2756	ND		Myclobutanil	186 - 2673	ND
Carbofuran	41 - 2719	ND		Naled	45 - 2734	ND
Chlorantraniliprole	42 - 2738	ND		Oxamyl	44 - 2808	ND
Chlorpyrifos	60 - 2712	ND		Paclobutrazol	42 - 2719	ND
Clofentezine	278 - 2749	ND		Permethrin	276 - 2727	ND
Diazinon	280 - 2766	ND		Phosmet	45 - 2697	ND
Dichlorvos	276 - 2797	ND		Prophos	289 - 2768	ND
Dimethoate	43 - 2785	ND		Propoxur	44 - 2728	ND
E-Fenpyroximate	296 - 2704	ND		Pyridaben	314 - 2657	ND
Etofenprox	41 - 2682	ND		Spinosad A	38 - 2262	ND
Etoxazole	318 - 2693	ND		Spinosad D	53 - 491	ND
Fenoxycarb	43 - 2718	ND		Spiromesifen	333 - 2720	ND
Fipronil	11 - 2739	ND		Spirotetramat	271 - 2754	ND
Flonicamid	48 - 2818	ND		Spiroxamine 1	19 - 1164	ND
Fludioxonil	317 - 2775	ND		Spiroxamine 2	25 - 1549	ND
Hexythiazox	40 - 2730	ND		Tebuconazole	287 - 2753	ND
Imazalil	281 - 2748	ND		Thiacloprid	42 - 2774	ND
Imidacloprid	46 - 2799	ND		Thiamethoxam	44 - 2818	ND
Kresoxim-methyl	44 - 2776	ND		Trifloxystrobin	44 - 2741	ND

## Final Approval

  
Daniel Weidensaul  
02Aug2022  
04:24:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
02Aug2022  
04:26:00 PM MDT  
APPROVED BY / DATE

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**Heavy Metals -  
Colorado Compliance**

Test ID: T000215425

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.29	ND	
Cadmium	0.04 - 4.45	ND	
Mercury	0.04 - 4.45	ND	
Lead	0.04 - 4.42	ND	

**Final Approval**Daniel Weidensaul  
02Aug2022  
02:45:00 PM MDT

PREPARED BY / DATE

Courtney Richards  
02Aug2022  
03:28:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/0723719f-8b3f-4bec-84b3-28eef90822c>**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.

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).

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