

Prepared for:  
**OZ Botanical**

455 Weaver Park Rd #200  
Longmont, CO USA 80501

## Keto

Batch ID or Lot Number: <b>B0004</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: T000215421


Methods: TL-SOP-0034 (Gravimetric) **Result**

### Notes

Density	0.935 g/ml	Free from visual mold, mildew, and foreign matter N/A
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## Final Approval

  
Kayla Phye  
28Jul2022  
08:31:00 AM MDT  
PREPARED BY / DATE

  
Sam Smith  
28Jul2022  
01:17:00 PM MDT  
APPROVED BY / DATE

## Cannabinoids - Colorado

### Compliance

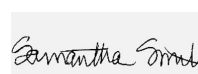
Test ID: T000215416

Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.079	0.213	1.037	1.11	Density = 0.935148g/mL
Cannabichromenic Acid (CBCA)	0.072	0.195	ND	ND	
Cannabidiol (CBD)	0.222	0.543	25.180	26.93	
Cannabidiolic Acid (CBDA)	0.227	0.557	ND	ND	
Cannabidivarin (CBDV)	0.052	0.128	<LOQ	0.13	
Cannabidivarinic Acid (CBDVA)	0.095	0.232	ND	ND	
Cannabigerol (CBG)	0.045	0.121	0.360	0.38	
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	0.603	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.202	0.547	0.638	0.68	
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	0.428	ND	ND	
<b>Total Cannabinoids</b>			<b>27.447</b>	<b>29.35</b>	
Total Potential THC			0.638	0.68	
Total Potential CBD			25.180	26.93	

## 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  
Longmont, CO USA 80501**Keto**

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**Residual Solvents -  
Colorado Compliance**


Test ID: T000215420

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	81 - 1626	ND	
Butanes (Isobutane, n-Butane)	167 - 3347	ND	
Methanol	59 - 1180	ND	
Pentane	91 - 1811	ND	
Ethanol	91 - 1820	ND	
Acetone	98 - 1956	ND	
Isopropyl Alcohol	96 - 1919	ND	
Hexane	6 - 114	ND	
Ethyl Acetate	90 - 1808	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	96 - 1916	ND	
Toluene	17 - 347	ND	
Xylenes (m,p,o-Xylenes)	129 - 2575	ND	

**Final Approval**

Jacob Miller  
29Jul2022  
12:34:00 PM MDT  
PREPARED BY / DATE



Sam Smith  
29Jul2022  
12:36:00 PM MDT  
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Prepared for:

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**Microbial  
Contaminants -  
Colorado Compliance**

Test ID: T000215418

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

  
Brett Hudson  
31Jul2022  
10:59:00 AM MDT

APPROVED BY / DATE

Prepared for:  
**OZ Botanical**

455 Weaver Park Rd #200  
Longmont, CO USA 80501

## Keto

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## Pesticides


Test ID: T000215417

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: T000215419

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/68422c57-757d-4b59-bfe9-1c4af2ee3a61>**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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