

Prepared for:
OZ Botanical

455 Weaver Park Rd #200
Longmont, CO USA 80501

YOUTH ELIXIR

Batch ID or Lot Number: B0003	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 5
Reported: 20Jul2022	Started: 18Jul2022	Received: 18Jul2022	

Density Analysis


Test ID: T000214368


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

Notes

Density	0.948 g/ml	Free from visual mold, mildew, and foreign matter N/A
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Final Approval

 Daniel Weidensaul
19Jul2022
05:45:00 PM MDT

 Sam Smith
20Jul2022
08:50:00 AM MDT

PREPARED BY / DATE

APPROVED BY / DATE


Pesticides


Test ID: T000214364

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	Dynamic Range (ppb)	Result (ppb)	
Abamectin	294 - 2799	ND	Malathion	294 - 2727	ND
Acephate	39 - 2799	ND	Metalaxyl	44 - 2756	ND
Acetamiprid	40 - 2785	ND	Methiocarb	40 - 2756	ND
Azoxystrobin	42 - 2727	ND	Methomyl	39 - 2826	ND
Bifenazate	38 - 2709	ND	MGK 264 1	159 - 1613	ND
Boscalid	54 - 2746	ND	MGK 264 2	115 - 1107	ND
Carbaryl	41 - 2704	ND	Myclobutanil	63 - 2680	ND
Carbofuran	44 - 2693	ND	Naled	45 - 2719	ND
Chlorantraniliprole	48 - 2736	ND	Oxamyl	42 - 2794	ND
Chlorpyrifos	32 - 2712	ND	Pacllobutrazol	49 - 2710	ND
Clofentezine	287 - 2723	ND	Permethrin	298 - 2806	ND
Diazinon	280 - 2764	ND	Phosmet	42 - 2710	ND
Dichlorvos	258 - 2800	ND	Prophos	292 - 2735	ND
Dimethoate	39 - 2754	ND	Propoxur	42 - 2702	ND
E-Fenpyroximate	287 - 2787	ND	Pyridaben	279 - 2753	ND
Etofenprox	44 - 2757	ND	Spinosad A	34 - 2215	ND
Etoxazole	297 - 2757	ND	Spinosad D	49 - 498	ND
Fenoxycarb	39 - 2760	ND	Spiromesifen	275 - 2780	ND
Fipronil	32 - 2766	ND	Spirotetramat	286 - 2780	ND
Flonicamid	50 - 2814	ND	Spiroxamine 1	18 - 1188	ND
Fludioxonil	310 - 2816	ND	Spiroxamine 2	25 - 1549	ND
Hexythiazox	41 - 2760	ND	Tebuconazole	270 - 2755	ND
Imazalil	273 - 2786	ND	Thiacloprid	41 - 2783	ND
Imidacloprid	44 - 2800	ND	Thiamethoxam	42 - 2797	ND
Kresoxim-methyl	46 - 2810	ND	Trifloxystrobin	42 - 2722	ND

Final Approval

 Sam Smith
20Jul2022
12:51:00 PM MDT

 Daniel Weidensaul
20Jul2022
12:55:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

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Cannabinoids - Colorado Compliance

Test ID: T000214363

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

Cannabinoid Analysis	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.063	0.190	1.016	1.07	Density = 0.948308g/mL
Cannabichromenic Acid (CBCA)	0.057	0.173	ND	ND	
Cannabidiol (CBD)	0.190	0.517	25.493	26.88	
Cannabidiolic Acid (CBDA)	0.194	0.530	ND	ND	
Cannabidivarin (CBDV)	0.045	0.122	<LOQ	0.12	
Cannabidivarinic Acid (CBDVA)	0.081	0.221	ND	ND	
Cannabigerol (CBG)	0.036	0.108	0.392	0.41	
Cannabigerolic Acid (CBGA)	0.148	0.450	ND	ND	
Cannabinol (CBN)	0.046	0.140	<LOQ	0.10	
Cannabinolic Acid (CBNA)	0.101	0.307	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.177	0.536	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.161	0.487	0.609	0.64	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.142	0.431	ND	ND	
Tetrahydrocannabivarin (THCV)	0.032	0.098	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.126	0.380	ND	ND	
Total Cannabinoids			27.718	29.23	
Total Potential THC			0.609	0.64	
Total Potential CBD			25.493	26.88	

Final Approval


Daniel Weidensaul
20Jul2022
05:37:00 PM MDT
PREPARED BY / DATE


Jacob Miller
20Jul2022
05:43:00 PM MDT
APPROVED BY / DATE


Heavy Metals - Colorado Compliance


Test ID: T000214366

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.27	ND	
Cadmium	0.04 - 4.47	ND	
Mercury	0.05 - 4.56	ND	
Lead	0.04 - 4.19	ND	

Final Approval


Sam Smith
21Jul2022
03:21:00 PM MDT
PREPARED BY / DATE


Daniel Weidensaul
21Jul2022
03:25:00 PM MDT
APPROVED BY / DATE

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OZ Botanical455 Weaver Park Rd #200
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**Microbial
Contaminants -
Colorado Compliance**Test ID: T000214365
Methods: TM25 (qPCR) TM24, TM26,
TM27 (Culture Plating): Microbial
(Colorado Panel)

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

Final Approval
Brianne Maillot
21Jul2022
10:44:00 AM MDT
PREPARED BY / DATE
Eden Thompson-Wright
21Jul2022
04:12:00 PM MDT
APPROVED BY / DATE

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**Residual Solvents -
Colorado Compliance**

Test ID: T000214367

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	73 - 1459	ND	
Butanes (Isobutane, n-Butane)	149 - 2977	ND	
Methanol	50 - 992	ND	
Pentane	80 - 1601	ND	
Ethanol	77 - 1537	ND	
Acetone	88 - 1760	ND	
Isopropyl Alcohol	84 - 1685	ND	
Hexane	5 - 97	ND	
Ethyl Acetate	73 - 1461	ND	
Benzene	0.1 - 2.8	ND	
Heptanes	87 - 1731	ND	
Toluene	15 - 302	ND	
Xylenes (m,p,o-Xylenes)	117 - 2339	ND	

Final Approval

Daniel Weidensaul
21Jul2022
04:44:00 PM MDT

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Jacob Miller
21Jul2022
04:52:00 PM MDT

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<https://results.botanacor.com/api/v1/coas/uuid/0d5d2119-4f3e-45b5-867f-30acb51bd77>**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 \times (0.877)) and Total CBD = CBD + (CBDa \times (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 \times (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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 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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