879 Federal Blvd
Denver, CO, 80204, US
(303) 427-2379

Kaycha Labs

Gel Pen
Matrix: Infused
Type: Topical

Certificate of Analysis

Sample:DE30627012-001
Harvest/Lot ID: 23172
Batch#: CO HEMP/7500 - 23172
Seed to Sale# 1A4000B00010D25000003059
Batch Date: 06/22/23
Sample Size Received: 6.5 gram
Total Amount: 6.5 gram
Retail Product Size: 6.5 gram
Ordered: 06/26/23
Sampled: 06/26/23
Completed: 07/02/23

Jul 02, 2023 | Mary's Nutritionals

3251 North Revere Street Suite 200
Aurora, CO, 80239, US

PASSED

PRODUCT IMAGE

SAFETY RESULTS

Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture	Homogeneity Testing
PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED	NOT TESTED	PASSED

MISC.

Terpenes
NOT TESTED

Cannabinoid

PASSED

Total THC
ND
Total THC/Container : 0 mg

Total CBD
1.4581%
Total CBD/Container : 95.784 mg

Total Cannabinoids
1.6663%
Total Cannabinoids/Container : 107.952 mg

	TOTAL 9(R/S)-HHC	CBDV	CBDVA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXO-THC	CBDQ	D9-THC	D8-THC	CBL	THCVA	CBC	D10-THC	CBNA	THCA	CBCA	CBLA	THC-O-ACETATE
%	ND	0.0715	ND	0.1323	1.4581	ND	ND	ND	0.0044	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
mg/g	ND	0.715	ND	1.323	14.581	ND	ND	ND	0.044	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LOD	0.01 %	0.0015 %	0.001 %	0.0021 %	0.0014 %	0.0014 %	0.0012 %	0.0003 %	0.0013 %	0.0025 %	0.0148 %	0.0012 %	0.0023 %	0.0052 %	0.0014 %	0.001 %	0.0021 %	0.0018 %	0.0019 %	0.0001 %	0.001 %	0.0004 %

Analyzed by:
2721, 2813, 2950, 1642, 2080

Weight:
1.0566g

Extraction date:
06/28/23 10:21:48

Extracted by:
2721,2950,1642

Analysis Method : SOP.T.40.039.CO
Analytical Batch : DE005856POT
Instrument Used : Agilent 1100 "Falcor"
Analyzed Date : 06/28/23 15:24:07

Reviewed On : 06/29/23 19:45:22
Batch Date : 06/28/23 06:26:57

Dilution : 40
Reagent : 032723.R21; 060923.R04; 062223.R02; 062723.R01
Consumables : 24168137; 1355147; 00336569; 303122060; 121621CH01; 923C4-923AK; 118C6-118H
Pipette : I1404270G; 22C52450; 20E73244; 20E74976; 20K63477

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with DAD detection (HPLC-UV). Method SOP.T.90.010.CO for reporting. Lower limit of linearity for all cannabinoids is 1 mg/L.

Label Claim - PASSED

Analyte	LOD	Units	Pass/Fail	Result	Analyte	LOD	Units	Pass/Fail	Result
TOTAL CBG	0.001	mg	TESTED	8.5995	TOTAL CBN	0.001	mg	TESTED	ND

Dane Oberhill
Lab Director

State License # 405R-00011
405-00008
ISO 17025 Accreditation # 4331.01

Signature
07/02/23

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(303) 427-2379

Kaycha Labs

Gel Pen
N/A
Matrix : Infused
Type: Topical

Certificate of Analysis

PASSED

Mary's Nutritionals

3251 North Revere Street Suite 200
Aurora, CO, 80239, US
Telephone: (618) 967-7828
Email: mitch@marysmanagement.com

Sample : DE30627012-001
Harvest/Lot ID: 23172
Batch# : CO HEMP/7500 - 23172
Sampled : 06/26/23
Ordered : 06/26/23

Sample Size Received : 6.5 gram
Total Amount : 6.5 gram
Completed : 07/02/23 **Expires:** 07/02/24
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
AVERMECTINS	0.0139	ppb	100	PASS	ND
AZOXYSTROBIN	0.1122	ppb	20	PASS	ND
BIFENAZATE	0.3285	ppb	20	PASS	ND
BIFENTHRIN	0.3469	ppb	1000	PASS	ND
BOSCALID	0.3057	ppb	20	PASS	ND
CARBARYL	0.3165	ppb	50	PASS	ND
CHLORPYRIFOS	0.2889	ppb	40	PASS	ND
CLOTHIANIDIN	0.537	ppb	50	PASS	ND
CYHALOTHRIN-LAMBDA	1.8598	ppb	250	PASS	ND
DICHLORVOS	0.9888	ppb	100	PASS	ND
DIMETHOATE	0.2585	ppb	20	PASS	ND
DINOTEFURAN	0.4004	ppb	100	PASS	ND
DIURON	0.7923	ppb	125	PASS	ND
ETOXAZOLE	0.1839	ppb	20	PASS	ND
IMAZALIL	0.4019	ppb	50	PASS	ND
IMIDACLOPRID	0.265	ppb	20	PASS	ND
MALATHION	0.3036	ppb	20	PASS	ND
TEBUCONAZOLE	0.3302	ppb	50	PASS	ND
METALAXYL	0.2756	ppb	20	PASS	ND
MYCLOBUTANIL	0.4417	ppb	20	PASS	ND
PERMETHRINS	0.2109	ppb	500	PASS	ND
PROPICONAZOLE	0.5658	ppb	100	PASS	ND
PYRIPROXYFEN	0.8551	ppb	10	PASS	ND
SPINOSADS	0.0545	ppb	100	PASS	ND
SPIROMESIFEN	0.2912	ppb	3000	PASS	ND
SPIROTETRAMAT	0.4266	ppb	20	PASS	ND
THIABENDAZOLE	0.8056	ppb	20	PASS	ND
THIAMETHOXAM	0.3232	ppb	20	PASS	ND
ACEPHATE	0.2755	ppb	50	PASS	ND
CLOFENTEZINE	0.3505	ppb	10	PASS	ND
ACEQUINOCYL	0.2707	ppb	30	PASS	ND
ACETAMIPRID	0.225	ppb	50	PASS	ND
COUMAPHOS	0.2529	ppb	10	PASS	ND
ALDICARB	0.4206	ppb	500	PASS	ND
CYANTRANILIPROLE	0.5411	ppb	10	PASS	ND
CYFLUTHRIN	0.6072	ppb	200	PASS	ND
ALLETHRIN	0.3601	ppb	100	PASS	ND
CYPERMETHRIN	0.3065	ppb	300	PASS	ND
ATRAZINE	1.064	ppb	25	PASS	ND
CYPRODINIL	0.4377	ppb	10	PASS	ND
AZADIRACHTIN	1.1979	ppb	500	PASS	ND
DAMINOZIDE	4.9907	ppb	100	PASS	ND
BENZOVINDIFLUPYR	0.3651	ppb	10	PASS	ND
DELTAMETHRIN	0.8431	ppb	500	PASS	ND
BUPROFEZIN	0.3	ppb	20	PASS	ND
DIAZINON	0.2055	ppb	20	PASS	ND
CARBOFURAN	0.3317	ppb	10	PASS	ND
CHLORANTRANILIPROLE	0.4629	ppb	20	PASS	ND
DIMETHOMORPH	0.1014	ppb	50	PASS	ND
DODEMORPH	0.2713	ppb	50	PASS	ND
ETHOPROPHOS	0.4738	ppb	10	PASS	ND
ETOFENPROX	0.4114	ppb	50	PASS	ND
FENHEXAMID	0.945	ppb	125	PASS	ND
FENOXYCARB	0.4316	ppb	20	PASS	ND
FENPYROXIMATE	0.3098	ppb	20	PASS	ND
FENSULFOTHION	0.3684	ppb	10	PASS	ND
FENVALERATE	0.5416	ppb	100	PASS	ND
FIPRONIL	0.2707	ppb	10	PASS	ND
FLONICAMID	0.3493	ppb	25	PASS	ND
FLUDIOXONIL	0.2632	ppb	10	PASS	ND
FLUOPYRAM	0.3817	ppb	10	PASS	ND

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
HEXYTHIAZOX	0.1977	ppb	10	PASS	ND
KRESOXIM-METHYL	0.5115	ppb	150	PASS	ND
METHIOCARB	2.3105	ppb	10	PASS	ND
METHOMYL	0.379	ppb	25	PASS	ND
METHOPRENE	0.4892	ppb	2000	PASS	ND
MEVINPHOS	0.0432	ppb	25	PASS	ND
MGK-264	0.1438	ppb	50	PASS	ND
NALED	0.4305	ppb	100	PASS	ND
NOVALURON	0.2164	ppb	25	PASS	ND
OXAMYL	0.376	ppb	1500	PASS	ND
PACLOBUTRAZOL	1.4227	ppb	10	PASS	ND
PHENOTHRIN	0.306	ppb	50	PASS	ND
PHOSMET	0.2483	ppb	20	PASS	ND
PIPERONYL BUTOXIDE	0.3284	ppb	1250	PASS	ND
PIRIMICARB	0.3458	ppb	10	PASS	ND
PRALLETHRIN	0.6623	ppb	50	PASS	ND
PROPOXUR	0.7835	ppb	10	PASS	ND
PYRACLOSTROBIN	0.2379	ppb	10	PASS	ND
PYRETHRINS	0.181	ppb	50	PASS	ND
PYRIDABEN	0.298	ppb	20	PASS	ND
RESMETHRIN	0.2008	ppb	50	PASS	ND
SPINETORAM	0.1177	ppb	10	PASS	ND
SPIRODICLOFEN	0.183	ppb	250	PASS	ND
SPIROXAMINE	0.3745	ppb	100	PASS	ND
TEBUFENOZIDE	0.2154	ppb	10	PASS	ND
TEFLUBENZURON	0.4437	ppb	25	PASS	ND
TETRACHLORVINPHOS	0.133	ppb	10	PASS	ND
TETRAMETHRIN	0.238	ppb	100	PASS	ND
THIACLOPRID	0.3999	ppb	10	PASS	ND
THIOPHANATE-METHYL	1.2413	ppb	50	PASS	ND
TRIFLOXYSTROBIN	0.1938	ppb	10	PASS	ND
CHLORPHENAPYR	0.412	ppb	1500	PASS	ND
ENDOSULFAN SULFATE	0.4196	ppb	2500	PASS	ND
ENDOSULFAN-ALPHA	0.5956	ppb	2500	PASS	ND
ENDOSULFAN-BETA	0.5555	ppb	2500	PASS	ND
ETRIDIAZOLE	1.2221	ppb	150	PASS	ND
FENTHION	0.3118	ppb	10	PASS	ND
IPRODIONE	0.2738	ppb	500	PASS	ND
KINOPRENE	1.7294	ppb	1250	PASS	ND
PARATHION-METHYL	0.2709	ppb	50	PASS	ND
QUINTOZENE	0.2693	ppb	20	PASS	ND
OTHER PESTICIDES	0.1	ppb	100	PASS	ND

Analyzed by: 2318, 2319, 7, 2080
Weight: 0.2004g
Extraction date: 06/28/23 11:47:49
Extracted by: 2318

Analysis Method : SOP-060 (R5)
Analytical Batch : DE005858PES
Instrument Used : Sciex 7500 Qtrap "Hades" - Pesticides
Analyzed Date : 06/28/23 13:58:57
Reviewed On : 06/30/23 10:22:13
Batch Date : 06/28/23 08:33:53
Dilution : 20
Reagent : 061523.R03; 061223.R01; 050523.R14; 061823.R14; 040123.R01; 061423.R31; 061423.R22; 061423.R30; 093022.R22; 061423.R20; 061423.R23; 061823.R15
Consumables : TSIN0C040FG; 1355147; 00336569-4; 0000164728; 220607059D; 118C6-118H
Pipette : N/A

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides via SOP-060 (R5).

Dane Oberhill
Lab Director

State License # 405R-00011
405-00008
ISO 17025 Accreditation # 4331.01

Signature
07/02/23

879 Federal Blvd
Denver, CO, 80204, US
(303) 427-2379

Kaycha Labs

Gel Pen
N/A
Matrix : Infused
Type: Topical

Certificate of Analysis

PASSED

Mary's Nutritionals

3251 North Revere Street Suite 200
Aurora, CO, 80239, US
Telephone: (618) 967-7828
Email: mitch@marysmanagement.com

Sample : DE30627012-001
Harvest/Lot ID: 23172
Batch# : CO HEMP/7500 - 23172
Sampled : 06/26/23
Ordered : 06/26/23

Sample Size Received : 6.5 gram
Total Amount : 6.5 gram
Completed : 07/02/23 **Expires:** 07/02/24
Sample Method : SOP Client Method

Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	4.2142	ppm	1000	PASS	ND
BUTANES	5.468	ppm	1000	PASS	ND
METHANOL	1.2786	ppm	600	PASS	46.0967
PENTANES	6.671	ppm	1000	PASS	ND
ETHANOL	2.701	ppm	1000000	PASS	<8.10318
ACETONE	1.708	ppm	1000	PASS	ND
2-PROPANOL	1.5875	ppm	1000	PASS	44.2402
HEXANES	1.9279	ppm	60	PASS	ND
ETHYL ACETATE	2.7921	ppm	1000	PASS	ND
BENZENE	0.4749	ppm	2	PASS	ND
HEPTANE	3.2594	ppm	1000	PASS	ND
TOLUENE	2.1088	ppm	180	PASS	ND
XYLENES	7.115	ppm	430	PASS	ND

Analyzed by:
666, 2863, 2080

Weight:
0.1457g

Extraction date:
06/28/23 14:57:28

Extracted by:
2494

Analysis Method : SOP.T.40.049.CO
Analytical Batch : DE005852SOL
Instrument Used : GC 5890
Analyzed Date : 06/28/23 17:12:21

Reviewed On : 06/29/23 11:46:51
Batch Date : 06/27/23 15:46:35

Dilution : 1
Reagent : 061423.R09; 061223.R02
Consumables : 22382; R2017.100; G201.100; 61899-311C6-311E
Pipette : MU13938; 468322

Residual solvents screening is performed using GCwhich can detect below single digit ppm concentrations. Currently we analyze for 15 Residual solvents.

Dane Oberhill
Lab Director

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405-00008
ISO 17025 Accreditation # 4331.01

Signature
07/02/23

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Kaycha Labs

Gel Pen
N/A
Matrix : Infused
Type: Topical

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PASSED

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Aurora, CO, 80239, US
Telephone: (618) 967-7828
Email: mitch@marysmanagement.com

Sample : DE30627012-001
Harvest/Lot ID: 23172
Batch# : CO HEMP/7500 - 23172
Sampled : 06/26/23
Ordered : 06/26/23

Sample Size Received : 6.5 gram
Total Amount : 6.5 gram
Completed : 07/02/23 **Expires:** 07/02/24
Sample Method : SOP Client Method

Microbial — PASSED

Analyte	LOD	Units	Result	Pass / Fail	Action Level
TOTAL YEAST AND MOLD	100	cfu/g	ND	PASS	10000
SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC			Not Present	PASS	
SALMONELLA SPECIES			Not Present	PASS	

Analyzed by: 2792, 1473, 5, 2080 **Weight:** 2.60g **Extraction date:** 06/28/23 16:58:39 **Extracted by:** 2792,2951

Analysis Method : SOP.T.40.057.CO; SOP.T.40.209.CO
Analytical Batch : DE005851MIC
Instrument Used : Microbial - Full Panel
Analyzed Date : 06/28/23 13:09:31
Reviewed On : 07/02/23 12:38:11
Batch Date : 06/27/23 14:37:59

Dilution : N/A
Reagent : 062123.R06; 060723.R03; 062623.R08; 061523.R02; 041023.R01; 040523.R04; 062623.R11; 061923.R06; 061023.R05; 042123.R06; 060723.R18; 062323.R03; 060723.R11; 061123.R12; 053023.01; 011723.44; 101122.02; 041523.01; 041323.16; 061223.13; 062323.R10; 062623.R14; 061423.03
Consumables : 61882-301C6-301H; 411171-135C4-135AI; 121621CH01; 1; 211016-687-A; 2; 22148-CP69-22151; 3; 00111; CH_2242419; 4; 5; 6; 7; 8; 9; 40960-040C4-040AL; CJ209G2; 10; 11; 12; 13; 14; MSB1001; 15
Pipette : M - O48453J; M - L47149J; M - 20F92851; M - MV21601; M - MU03680; M - M32141C; M - 20C40454; M - 22G22702; M - 6537603; M - MU06201; M - N65633K; M - K94440L; M - 20E73249; M - G19154L; M - Q29305K; M - J46789J; M - O52710K; M - N1563K; M - O34081K

Mycotoxins — PASSED

Analyte	LOD	Units	Result	Pass / Fail	Action Level
AFLATOXINS	0.0539	ppb	ND	PASS	20
AFLATOXIN B1	0.153	ppb	ND	PASS	20
AFLATOXIN B2	0.0823	ppb	ND	PASS	20
AFLATOXIN G1	0.0539	ppb	ND	PASS	20
AFLATOXIN G2	0.227	ppb	ND	PASS	20
OCHRATOXIN A+	0.0117	ppb	ND	PASS	20

Analyzed by: 7, 2319, 2080 **Weight:** 0.1426g **Extraction date:** 06/28/23 11:58:27 **Extracted by:** 2318

Analysis Method : SOP-060 (R5)
Analytical Batch : DE005859MYC
Instrument Used : Sciex 6500 Qtrap "Felicia" - Mycotoxins
Analyzed Date : 06/29/23 13:21:19
Reviewed On : 06/29/23 13:29:45
Batch Date : 06/28/23 08:34:41

Dilution : 25
Reagent : 061823.R09; 062223.R03; 061823.R03; 062523.R01; 062523.R04; 062523.R03; 052823.R02
Consumables : TSIN0C040FG; 1355147; 00336569-4; 243CE-243C; 0000164728; 118C6-118H
Pipette : 22C52450

Aflatoxins B1, B2, G1, G2, and Ochratoxin A testing using LC-MS via SOP-060 (R5). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be < 20µg/Kg. Ochratoxins must be < 5µg/Kg.

Heavy Metals — PASSED

Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC	0.0048	ppm	ND	PASS	1.5
CADMIUM	0.0016	ppm	ND	PASS	0.5
MERCURY	0.0008	ppm	ND	PASS	1
LEAD	0.0039	ppm	ND	PASS	1

Analyzed by: 7, 666, 2080 **Weight:** 0.2283g **Extraction date:** 06/28/23 16:44:36 **Extracted by:** 666

Analysis Method : SOP.T.40.081.CO
Analytical Batch : DE005857HEA
Instrument Used : Shimadzu 2030 ICP-MS "Alice"
Analyzed Date : 06/29/23 09:23:48
Reviewed On : 06/30/23 09:45:53
Batch Date : 06/28/23 08:30:11

Dilution : 50
Reagent : 082721.13; 062623.R06; 062623.R07; 100422.02; 062023.R03; 062623.02
Consumables : 23133; 246CE-246E; 220607059D; 234422
Pipette : MU13938; 8516758

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen to below single digit ppb concentrations for regulated heavy metals using method SOP.T.40.081.CO. Sample preparation for Heavy Metals Analysis via SOP.T.30.081.CO.

Dane Oberhill
Lab Director

State License # 405R-00011
405-00008
ISO 17025 Accreditation # 4331.01

Signature
07/02/23

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Gel Pen
N/A
Matrix : Infused
Type: Topical

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Harvest/Lot ID: 23172
Batch# : CO HEMP/7500 - 23172
Sampled : 06/26/23
Ordered : 06/26/23

Sample Size Received : 6.5 gram
Total Amount : 6.5 gram
Completed : 07/02/23 **Expires:** 07/02/24
Sample Method : SOP Client Method

Homogeneity

PASSED

Amount of tests conducted : 3

Analyte	LOD	Units	Pass/Fail	Result	Action Level
HOMOGENEITY		%	PASS	0.92	10
HOMOGENEITY (D9-THC)	1	%	PASS	ND	10
HOMOGENEITY (CBD)	1	%	PASS	<1	10
HOMOGENEITY (CBN)	1	%	PASS	2.14	10

Analysis Method : SOP.T.40.039.CO
Analytical Batch : DE005856POT
Instrument Used : Agilent 1100 "Falcor"
Analyzed Date : 06/28/23 15:24:07
Reviewed On : 06/29/23 19:45:22
Batch Date : 06/28/23 06:26:57

%RSD for 4 replicates must be < 10% to pass Homogeneity testing in the State of Colorado.

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Lab Director

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Kaycha Labs

Gel Pen
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Matrix : Infused
Type: Topical

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Sample : DE30627012-001
Harvest/Lot ID: 23172
Batch# : CO HEMP/7500 - 23172
Sampled : 06/26/23
Ordered : 06/26/23

Sample Size Received : 6.5 gram
Total Amount : 6.5 gram
Completed : 07/02/23 **Expires:** 07/02/24
Sample Method : SOP Client Method

COMMENTS

* Cannabinoid DE30627012-001POT

1 - Measurement Uncertainty for delta-9 THC (wt%, Infused) 95% interval : 0.07, Measurement Uncertainty for THCA (wt%, Infused) 95% interval : 0.05

Dane Oberhill
Lab Director

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07/02/23