



# Certificate of Analysis

Sample: DE30728003-002  
Harvest/Lot ID: 23200  
Batch#: CO HEMP/7500 - 23200  
Seed to Sale# 1A4000B00010D25000003183  
Batch Date: 07/19/23  
Sample Size Received: 28 gram  
Total Amount: 28 gram  
Retail Product Size: 28 gram  
Ordered: 07/27/23  
Sampled: 07/27/23  
Completed: 08/03/23

**PASSED**

Aug 03, 2023 | Mary's Nutritionals

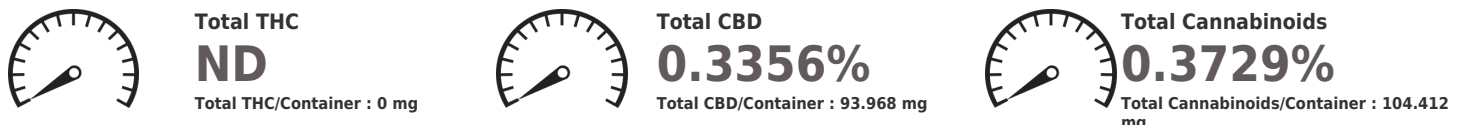
3251 North Revere Street Suite 200  
Aurora, CO, 80239, US



Pages 1 of 6

PRODUCT IMAGE	SAFETY RESULTS									MISC.
										
	Pesticides <b>PASSED</b>	Heavy Metals <b>PASSED</b>	Microbials <b>PASSED</b>	Mycotoxins <b>PASSED</b>	Residuals Solvents <b>PASSED</b>	Filtration <b>NOT TESTED</b>	Water Activity <b>NOT TESTED</b>	Moisture <b>NOT TESTED</b>	Homogeneity Testing <b>PASSED</b>	Terpenes <b>NOT TESTED</b>

**Cannabinoid** **PASSED**



	TOTAL 9(R)-THC	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-ACE TATE	
%	ND	ND	ND	0.0373	0.3356	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
mg/g	ND	ND	ND	0.373	3.356	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LOD	0.01	0.0017	0.0014	0.0009	0.0021	0.0031	0.0006	0.0016	0.0044	0.0008	0.0012	0.0025	0.0016	0.0034	0.0029	0.0014	0.0059	0.0047	0.0026	0.0011	0.0022	0.0021	
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 1642, 2863, 2791, 666, 2080      Weight: 1.1075g      Extraction date: 07/31/23 11:27:03      Extracted by: 2721,2813

Analysis Method : SOP.T.40.039.CO      Analytical Batch : DE006062POT      Instrument Used : Agilent 1100 "Liger"      Analyzed Date : 08/01/23 12:00:28      Reviewed On : 08/01/23 14:51:34      Batch Date : 07/31/23 07:30:14

Dilution : 40  
Reagent : 071023.R25; 070123.R02; 072823.R01; 072823.R02  
Consumables : 2225821657; 2014919; 00336569; 0000164728; 303122060; 12606-251CD-251C; 234422; 61572-107C6-107H  
Pipette : POT- 20E73244; POT- 20E74976; POT- 20K63477; P1000 - 20B29164-A; P200- 6507768

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	10.444	TOTAL CBN	0.001	mg	TESTED	ND

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**Dane Oberhill**  
Lab Director  
State License # 405R-00011  
405-00008  
ISO 17025 Accreditation # 4331.01



Signature  
08/03/23



# 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 : DE30728003-002  
Harvest/Lot ID: 23200

Batch# : CO HEMP/7500 -  
23200  
Sampled : 07/27/23  
Ordered : 07/27/23

Sample Size Received : 28 gram  
Total Amount : 28 gram  
Completed : 08/03/23 Expires: 08/03/24  
Sample Method : SOP Client Method

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## Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
AVERMECTINS	0.0139	ppb	100	PASS	ND	HEXYTHIAZOX	0.1977	ppb	10	PASS	ND
AZOXYSTROBIN	0.1122	ppb	20	PASS	ND	KRESOXIM-METHYL	0.5115	ppb	150	PASS	ND
BIFENAZATE	0.3285	ppb	20	PASS	ND	METHIOCARB	2.3105	ppb	10	PASS	ND
BIFENTHRIN	0.3469	ppb	1000	PASS	ND	METHOMYL	0.379	ppb	25	PASS	ND
BOSCALID	0.3057	ppb	20	PASS	ND	METHOPRENE	0.4892	ppb	2000	PASS	ND
CARBARYL	0.3165	ppb	50	PASS	ND	MEVINPHOS	0.0432	ppb	25	PASS	ND
CHLORPYRIFOS	0.2889	ppb	40	PASS	ND	MGK-264	0.1438	ppb	50	PASS	ND
CLOTHIANIDIN	0.537	ppb	50	PASS	ND	NALED	0.4305	ppb	100	PASS	ND
CYHALOTHRIIN-LAMBDA	1.8598	ppb	250	PASS	ND	NOVALUORON	0.2164	ppb	25	PASS	ND
DICHLORVOS	0.9888	ppb	100	PASS	ND	PHOSMET	0.2483	ppb	20	PASS	ND
DIMETHOATE	0.2585	ppb	20	PASS	ND	OXAMYL	0.376	ppb	1500	PASS	ND
DINOTEFURAN	0.4004	ppb	100	PASS	ND	PIPERONYL BUTOXIDE	0.3284	ppb	1250	PASS	14.2183
DIURON	0.7923	ppb	125	PASS	ND	PACLOBUTRAZOL	1.4227	ppb	10	PASS	ND
ETOXAZOLE	0.1839	ppb	20	PASS	ND	PIRIMICARB	0.3458	ppb	10	PASS	ND
IMAZALIL	0.4019	ppb	50	PASS	ND	PHENOTHRIN	0.306	ppb	50	PASS	ND
IMIDACLOPRID	0.265	ppb	20	PASS	ND	PRALLETHRIN	0.6623	ppb	50	PASS	ND
MALATHION	0.3036	ppb	20	PASS	ND	PROPOXUR	0.7835	ppb	10	PASS	ND
METALAXYL	0.2756	ppb	20	PASS	ND	PRYACLOSTROBIN	0.2379	ppb	10	PASS	ND
MYCLOBUTANIL	0.4417	ppb	20	PASS	ND	PYRETHRINS	0.181	ppb	50	PASS	ND
PERMETHRINS	0.2109	ppb	500	PASS	139.8165	PYRIDABEN	0.298	ppb	20	PASS	ND
PROPCONAZOLE	0.5658	ppb	100	PASS	ND	RESMETHRIN	0.2008	ppb	50	PASS	ND
PYRIPROXYFEN	0.8551	ppb	10	PASS	ND	SPINETORAM	0.1177	ppb	10	PASS	ND
SPINOSADS	0.0545	ppb	100	PASS	ND	SPIRODICLOFEN	0.183	ppb	250	PASS	ND
SPIROMESIFEN	0.2912	ppb	3000	PASS	ND	SPIROXAMINE	0.1177	ppb	100	PASS	ND
SPIROTETRAMAT	0.4266	ppb	20	PASS	ND	TEBUFENOXIDE	0.2154	ppb	10	PASS	ND
TEBUCONAZOLE	0.3302	ppb	50	PASS	ND	TEFLUBENZURON	0.4437	ppb	25	PASS	ND
THIABENDAZOLE	0.8056	ppb	20	PASS	ND	TETRACHLORVINPHOS	0.133	ppb	10	PASS	ND
THIAMETHOXAM	0.3232	ppb	20	PASS	ND	TETRAMETHRIN	0.238	ppb	100	PASS	ND
ACEPHATE	0.2755	ppb	50	PASS	ND	THIACLOPRID	0.3999	ppb	10	PASS	ND
ACEQUINOCLY	0.2707	ppb	30	PASS	ND	THIOPHANATE-METHYL	1.2413	ppb	50	PASS	ND
ACETAMIPRID	0.225	ppb	50	PASS	ND	TRIFLOXYSTROBIN	0.1938	ppb	10	PASS	ND
ALDICARB	0.4206	ppb	500	PASS	ND	CHLORPHENAPYR	0.412	ppb	1500	PASS	ND
ALLETHRIN	0.3601	ppb	100	PASS	ND	ENDOSULFAN SULFATE	0.4196	ppb	2500	PASS	ND
ATRAZINE	1.064	ppb	25	PASS	ND	ENDOSULFAN-ALPHA	0.5956	ppb	2500	PASS	ND
AZADIRACTHIN	1.1979	ppb	500	PASS	ND	ENDOSULFAN-BETA	0.5555	ppb	2500	PASS	ND
BENZOVINDIFLUPYR	0.3651	ppb	10	PASS	ND	ETRIDIAZOLE	1.2221	ppb	150	PASS	ND
BUPROFEZIN	0.3	ppb	20	PASS	ND	FENTHION	0.3118	ppb	10	PASS	ND
CARBOFURAN	0.3317	ppb	10	PASS	ND	IPRODIONE	0.2738	ppb	500	PASS	ND
CHLORANTRANILIPROLE	0.4629	ppb	20	PASS	ND	KINOPRENE	1.7294	ppb	1250	PASS	ND
CLOFENTEZINE	0.3505	ppb	10	PASS	ND	PARATHION-METHYL	0.2709	ppb	50	PASS	ND
COUMAPHOS	0.2529	ppb	10	PASS	ND	QUINTOZENE	0.2693	ppb	20	PASS	ND
CYANTRANILIPROLE	0.5411	ppb	10	PASS	ND	OTHER PESTICIDES	0.1	ppb	100	PASS	ND
CYFLUTHRIN	0.6072	ppb	200	PASS	ND						
CYPERMETHRIN	0.3065	ppb	300	PASS	ND						
CYPRODINIL	0.4377	ppb	10	PASS	ND						
DAMINOZIDE	4.9907	ppb	100	PASS	ND						
DELTAMETHRIN	0.8431	ppb	500	PASS	ND						
DIAZINON	0.2055	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						
FIPRONIL	0.2707	ppb	10	PASS	ND						
ETOFENPROX	0.4114	ppb	50	PASS	ND						
FENHEXAMID	0.945	ppb	125	PASS	ND						
FENOXICARB	0.4316	ppb	20	PASS	ND						
FENPROXIMATE	0.3098	ppb	20	PASS	ND						
FENSULFOTHION	0.3684	ppb	10	PASS	ND						
FENVALERATE	0.5416	ppb	100	PASS	ND						
FLONICAMID	0.3493	ppb	25	PASS	ND						
FLUDIOXONIL	0.2632	ppb	10	PASS	ND						
FLUOPYRAM	0.3817	ppb	10	PASS	ND						

Analyzed by: 1642, 2319, 7, 2080 Weight: 0.2043g Extraction date: 07/30/23 11:42:27 Extracted by: 2318  
 Analysis Method : SOP-060 (R5)  
 Analytical Batch : DE006055PES Reviewed On : 08/03/23 15:07:34  
 Instrument Used : Sciex 7500 Qtrap "Hades" - Pesticides Batch Date : 07/30/23 08:18:23  
 Analyzed Date : 08/01/23 12:36:34  
 Dilution : 20  
 Reagent : 073023.R14; 073023.R17; 073023.R13; 073023.R16; 073023.R12; 072423.R11; 073023.R15; 070523.R06; 072423.R10; 072323.R15; 072623.R10; 072623.R09; 070523.R12; 071623.R24; 073023.R01  
 Consumables : 2225821657; 2014919; 00339105-4; 0000185478; 220607059D; 61572-107C6-107H  
 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).

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**Dane Oberhill**  
Lab Director  
State License # 405R-00011  
405-00008  
ISO 17025 Accreditation # 4331.01



Signature  
08/03/23



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

Kaycha Labs

.....  
Compound  
N/A  
Matrix : Infused  
Type: Transdermal Compound



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

Sample : DE30728003-002  
Harvest/Lot ID: 23200

Batch# : CO HEMP/7500 -  
23200  
Sampled : 07/27/23  
Ordered : 07/27/23

Sample Size Received : 28 gram  
Total Amount : 28 gram  
Completed : 08/03/23 Expires: 08/03/24  
Sample Method : SOP Client Method

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## 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	ND
PENTANES	6.671	ppm	1000	PASS	ND
ETHANOL	2.701	ppm	1000000	PASS	ND
ACETONE	1.708	ppm	1000	PASS	ND
2-PROPANOL	1.5875	ppm	1000	PASS	ND
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: 2863, 666, 2494, 2080	Weight: 0.1224g	Extraction date: 07/28/23 15:49:55	Extracted by: 2863
Analysis Method : SOP.T.40.049.CO		Reviewed On : 07/31/23 12:59:49	
Analytical Batch : DE006053SOL		Batch Date : 07/28/23 12:01:51	
Instrument Used : GC 5890			
Analyzed Date : 07/28/23 15:51:55			
Dilution : 1			
Reagent : 071623.R14; 072623.R08			
Consumables : 23033; 428251; G201.100; 61572-107C6-107H			
Pipette : N/A			

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

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**Dane Oberhill**  
Lab Director  
State License # 405R-00011  
405-00008  
ISO 17025 Accreditation # 4331.01

Signature  
08/03/23



# 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 : DE30728003-002  
Harvest/Lot ID: 23200

Batch# : CO HEMP/7500 - 23200  
Sample Size Received : 28 gram  
Total Amount : 28 gram  
Completed : 08/03/23 Expires: 08/03/24  
Sample Method : SOP Client Method

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 <b>Microbial</b> <span style="float: right;"><b>PASSED</b></span>						 <b>Mycotoxins</b> <span style="float: right;"><b>PASSED</b></span>					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
<b>TOTAL YEAST AND MOLD</b>	100	cfu/g	ND	PASS	10000	<b>AFLATOXINS</b>	0.0539	ppb	ND	PASS	20
<b>SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC</b>			Not Present	PASS		<b>AFLATOXIN B1</b>	0.153	ppb	ND	PASS	20
<b>SALMONELLA SPECIES</b>			Not Present	PASS		<b>AFLATOXIN B2</b>	0.0823	ppb	ND	PASS	20
<b>TOTAL AEROBIC</b>	10	cfu/g	ND	PASS	10000	<b>AFLATOXIN G1</b>	0.0539	ppb	ND	PASS	20
<b>TOTAL COLIFORM</b>	10	cfu/g	ND	PASS	100	<b>AFLATOXIN G2</b>	0.227	ppb	ND	PASS	20
						<b>OCHRATOXIN A+</b>	0.0117	ppb	ND	PASS	20
<b>Analyzed by:</b> 5, 7, 2080	<b>Weight:</b> 1.72g	<b>Extraction date:</b> 07/28/23 16:46:25	<b>Extracted by:</b> 5			<b>Analyzed by:</b> 2318, 7, 2791, 2080	<b>Weight:</b> 0.2043g	<b>Extraction date:</b> 07/30/23 11:33:51	<b>Extracted by:</b> 2318		
<b>Analysis Method :</b> SOP.T.40.057.CO; SOP.T.40.209.CO						<b>Analysis Method :</b> SOP-060 (R5)					
<b>Analytical Batch :</b> DE006052MIC						<b>Analytical Batch :</b> DE006057MYC					
<b>Instrument Used :</b> Microbial - Full Panel						<b>Instrument Used :</b> Sciex 6500 Qtrap "Felicia" - Mycotoxins					
<b>Analyzed Date :</b> 07/28/23 16:54:34						<b>Analyzed Date :</b> 07/30/23 11:34:08					
<b>Reviewed On :</b> 07/31/23 16:56:43						<b>Reviewed On :</b> 08/01/23 09:40:04					
<b>Batch Date :</b> 07/28/23 11:01:11						<b>Batch Date :</b> 07/30/23 08:21:54					
<b>Dilution :</b> N/A						<b>Dilution :</b> 20					
<b>Reagent :</b> 061123.R10; 062923.R04; 072523.R03; 072423.R01; 072623.R02; 061523.R02; 072123.R05; 070623.R05; 072623.R06; 072123.R02; 071823.R06; 042123.R06; 071323.R04; 061223.13; 072023.01; 062923.01; 011723.44; 101122.02; 071823.01; 072123.01; 020723.01; 030123.01; 061423.10; 061423.11; 072723.R06; 072623.R05						<b>Reagent :</b> 073023.R14; 073023.R17; 073023.R13; 073023.R16; 073023.R12; 072423.R11; 073023.R15; 070523.R06; 072423.R10; 072323.R15; 062523.R02; 072323.R05; 071323.R10; 070523.R12; 073023.R01					
<b>Consumables :</b> 211016-687-A; 1; 2; 3; 22148-CP69-22151; 00111; 01859; CH_2242419; 4; 5; 6; 7; 8; 9; 40960-040C4-040AL; CJ209G2; 10; 11; 12; 13; 14; 15; MSB1001						<b>Consumables :</b> 2225821657; 2014919; 00339105-4; 0000185478; 220607059D;					
<b>Pipette :</b> 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 - P67199J; M - Q29305K; M - Q36416J; M - J46789J; M - J5715J; M - O52710K; M - N1563K; M - O34081K						<b>Pipette :</b> N/A					
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.											

 <b>Heavy Metals</b> <span style="float: right;"><b>PASSED</b></span>					
Metal	LOD	Units	Result	Pass / Fail	Action Level
<b>ARSENIC</b>	0.0048	ppm	ND	PASS	1.5
<b>CADMIUM</b>	0.0016	ppm	ND	PASS	0.5
<b>MERCURY</b>	0.0008	ppm	ND	PASS	1
<b>LEAD</b>	0.0039	ppm	ND	PASS	1
<b>Analyzed by:</b> 666, 2494, 2080	<b>Weight:</b> 0.2087g	<b>Extraction date:</b> 07/30/23 17:54:13	<b>Extracted by:</b> 666,2494		
<b>Analysis Method :</b> SOP.T.40.081.CO					
<b>Analytical Batch :</b> DE006054HEA					
<b>Instrument Used :</b> Shimadzu 2030 ICP-MS "Alice"					
<b>Analyzed Date :</b> 07/30/23 16:11:52					
<b>Reviewed On :</b> 07/31/23 09:52:04					
<b>Batch Date :</b> 07/30/23 07:32:38					
<b>Dilution :</b> 50					
<b>Reagent :</b> 071723.R20; 071823.R07; 082721.13; 072523.R05; 072523.R04; 031323.14; 070523.02; 072423.R17; 071223.21					
<b>Consumables :</b> 23133; 11922032; 220607059D; 234422					
<b>Pipette :</b> P10- MU13938; P200- 8516758; HEA-19H16763					

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.

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**Dane Oberhill**

Lab Director

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Signature  
08/03/23



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(303) 427-2379

Kaycha Labs

.....  
Compound  
N/A  
Matrix : Infused  
Type: Transdermal Compound



# 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 : DE30728003-002  
Harvest/Lot ID: 23200

Batch# : CO HEMP/7500 -  
23200  
Sampled : 07/27/23  
Ordered : 07/27/23

Sample Size Received : 28 gram  
Total Amount : 28 gram  
Completed : 08/03/23 Expires: 08/03/24  
Sample Method : SOP Client Method

Page 5 of 6

**Homogeneity** **PASSED**  
Amount of tests conducted : 3

Analyte	LOD	Units	Pass/Fail	Result	Action Level
<b>HOMOGENEITY</b>		%	<b>PASS</b>	ND	10
<b>HOMOGENEITY (D9-THC)</b>	1	%	<b>PASS</b>	ND	10
<b>HOMOGENEITY (CBD)</b>	1	%	<b>PASS</b>	6.0533	10
<b>HOMOGENEITY (CBN)</b>	1	%	<b>PASS</b>	ND	10

Analysis Method : SOP.T.40.039.CO  
Analytical Batch : DE006062POT  
Instrument Used : Agilent 1100 "Liger"  
Analyzed Date : 08/01/23 12:00:28

Reviewed On : 08/01/23 14:51:34  
Batch Date : 07/31/23 07:30:14

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

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**Dane Oberhill**

Lab Director

State License # 405R-00011  
405-00008

ISO 17025 Accreditation # 4331.01

Signature  
08/03/23



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

Kaycha Labs

.....  
Compound  
N/A  
Matrix : Infused  
Type: Transdermal Compound



# 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 : DE30728003-002  
Harvest/Lot ID: 23200

Batch# : CO HEMP/7500 -  
23200  
Sampled : 07/27/23  
Ordered : 07/27/23

Sample Size Received : 28 gram  
Total Amount : 28 gram  
Completed : 08/03/23 Expires: 08/03/24  
Sample Method : SOP Client Method

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## COMMENTS

\* Label DE30728003-002LAB

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

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08/03/23