



# Certificate of Analysis

**Sample: DE20429001-001**
**Harvest/Lot ID: 22111**
**Batch#: CO HEMP - 22111**
**Seed to Sale# 1A4000B00010D25000001517**
**Batch Date: 04/21/22**
**Sample Size Received: 91 gram**
**Total Weight/Volume: N/A**
**Retail Product Size: 91 gram**
**ordered : 04/29/22**
**sampled : 04/29/22**
**Completed: 05/04/22**
**Sampling Method: SOP-024**
**PASSED**

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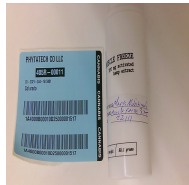
May 04, 2022 | Mary's Nutritionals

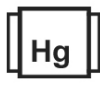
License # 405R-00011

3251 North Revere Street Suite 200

Aurora, CO, 80239, US

**MARY'S**  
nutritional

**PRODUCT IMAGE**

**SAFETY RESULTS**

**Pesticides  
PASSED**

**Heavy Metals  
PASSED**

**Microbials  
PASSED**

**Mycotoxins  
PASSED**

**Residuals Solvents  
PASSED**

**Filtration  
NOT TESTED**

**Water Activity  
NOT TESTED**

**Moisture  
NOT TESTED**

**Homogeneity  
Testing  
NOT TESTED**

**Terpenes  
NOT TESTED**
**MISC.**

**Cannabinoid**
**PASSED**

**Total THC**
**ND**
**Total THC/Container : 0 mg**

**Total CBD**
**0.2265%**
**Total CBD/Container : 206.115 mg**

**Total Cannabinoids**
**0.2566%**
**Total Cannabinoids/Container : 242.424 mg**

%	TOTAL THC	TOTAL CBD	TOTAL 9+HHC	TOTAL CANNABINOIDS	CBDV	CBDVA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXO-THC	CBDO	D8-THC	D8-THC	CBL	THCVA	CBC	D10-THC	CBNA	THCA	CBGA	CBDA	THC-O-ACE
mg/g	ND	0.2265	ND	0.2566	0.181	ND	0.12	0.2265	ND	ND	ND	ND	ND	ND	ND	ND	<0.002	<0.002	ND	ND	<0.002	ND	ND	ND	ND
LOD	0.001	0.001	0.01	0.001	0.002	0.001	0.002	2.8E-5	1.1E-5	0.002	0.001	1.0E-6	0.000237	0.0148	2.2E-5	0.002	0	0	0.002	0.0129	0	1.0E-5	0.002	0.001	0.003
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

**Analyzed by  
2229,1642,8**
**Weight  
1.3121g**
**Extraction date :  
04/29/22 15:40:51**
**Extracted By :  
1642**
**Analysis Method -SOP-020 (R15)**
**Reviewed On - 05/02/22 15:41:30**
**Analytical Batch -DE003328POT**
**Dilution : 40**
**Reagent : 032822.14; 022222.R03; 042222.R09; 042622.R12; 042922.R08; 042922.R09**
**Consumables : 24169051; 1154419; 00313368; R1KB54892; 304015242; 12211-108CC-108; 234422; 5079-525C6-525E**

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with DAD detection (HPLC-UV). Method SOP-022 (R13) for reporting. Lower limit of linearity for all cannabinoids is 1 mg/L.

**Label Claim - PASSED**

Analyte	LOD	Units	Pass/Fail	Result
TOTAL CBG	0.001	mg	TESTED	10.92
TOTAL CBN	0.001	mg	TESTED	ND



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**PASSED**

Mary's Nutritionals

 3251 North Revere Street Suite 200  
 Aurora, CO, 80239, US  
**Telephone:** 7207631044  
**Email:** csullivan@dixieelixirs.com  
**License # :** 405R-00011

**Sample : DE20429001-001**
**Harvest/Lot ID: 22111**
**Batch# : CO HEMP - 22111**
**Sampled : 04/29/22**
**Ordered : 04/29/22**
**Sample Size Received : 91 gram**
**Total Weight/Volume : N/A**
**Completed : 05/04/22 Expires: 05/04/23**
**Sample Method : SOP-024**

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<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>Pesticides</div>						<div>P</div>					
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# Certificate of Analysis

**PASSED**

Mary's Nutritionals

 3251 North Revere Street Suite 200  
 Aurora, CO, 80239, US  
 Telephone: 7207631044  
 Email: csullivan@dixieelixirs.com  
 License # : 405R-00011

Sample : DE20429001-001

Harvest/Lot ID: 22111

Batch# : CO HEMP - 22111

Sampled : 04/29/22

Odered : 04/29/22

Sample Size Received : 91 gram

Total Weight/Volume : N/A

Completed : 05/04/22 Expires: 05/04/23

Sample Method : SOP-024

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## Residual Solvents

**PASSED**

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	4.21421	ppm	1000	PASS	ND
ETHYL ACETATE	2.79218	ppm	1000	PASS	ND
BUTANES	15.794	ppm	1000	PASS	ND
BENZENE	0.47491	ppm	2	PASS	ND
METHANOL	1.27868	ppm	600	PASS	6.7692
HEPTANE	3.25945	ppm	1000	PASS	ND
PENTANES	13.828	ppm	1000	PASS	ND
TOLUENE	2.10881	ppm	180	PASS	ND
XYLENES	7.115	ppm	430	PASS	ND
ETHANOL	2.70106	ppm	1000000	PASS	ND
ACETONE	1.708	ppm	1000	PASS	ND
2-PROPANOL	1.58756	ppm	1000	PASS	<4.76268
HEXANES	1.92798	ppm	60	PASS	ND



## Solvents

**PASSED**

Analyzed by 2229,7,1253,666	Weight 0.1208g	Extraction date 05/04/22 09:14:38	Extracted By 7
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Analysis Method -SOP-032 (R18)

Analytical Batch -DE003344SOL

Instrument Used : GC 5890

Running On : 05/04/22 09:15:49

Batch Date : 05/03/22 13:13:35

Reviewed On - 05/04/22 11:53:07

Dilution : 1

Reagent : 043022.R02

Consumables : 24160453; 31726-2-1; 5079-525C6-525E

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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 License # : 405R-00011

Sample : DE20429001-001

Harvest/Lot ID: 22111

Batch# : CO HEMP - 22111

Sampled : 04/29/22

Ordered : 04/29/22

Sample Size Received : 91 gram

Total Weight/Volume : N/A

Completed : 05/04/22 Expires: 05/04/23

Sample Method : SOP-024

Page 4 of 4

Microbial <b>PASSED</b>						Mycotoxins <b>PASSED</b>					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
TOTAL YEAST AND MOLD	100	cfu/g	ND	PASS	10000	AFLATOXINS		ppb			20
SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC	1	CFU	ND	PASS	1	AFLATOXIN B1	1.327	ppb	ND	PASS	20
SALMONELLA SPECIES	1	CFU	ND	PASS	1	AFLATOXIN B2	0.09	ppb	ND	PASS	20
MICROBIALS	10	cfu/g	ND	PASS	100000	AFLATOXIN G1	0.18	ppb	ND	PASS	20
TOTAL AEROBIC	10	cfu/g	ND	PASS	10000	AFLATOXIN G2	0.303	ppb	ND	PASS	20
TOTAL COLIFORM	10	cfu/g	ND	PASS	100000	OCHRATOXIN A+	0.049	ppb	ND	PASS	20
Analysis Method - SOP-061 (R2); SOP-062 (R2); SOP-063 (R1) Analytical Batch - DE003326MIC Instrument Used : Microbial - Full Panel Running on : 04/29/22 16:56:35 Analyzed by: NA Weight: NA Extraction date: NA Extracted by: NA Dilution : 1 Reagent : 042922.R06; 031622.R01; 042822.R02; 022122.R11; 091421.R01; 042622.R13; 032322.R01; 041222.R14; 032222.R08; 110821.02; 030322.01; 021022.05; 022522.04; 121521.31; 110821.04; 042622.R09; 042822.R03; 043022.R03; 041122.02 Consumables : 61596-112C6-112E; CB1J04A91005; 01859; 1; 210622-688; NT10-1212; 2; 12211-108CC-108; 00105; 0000005034; 0000004355						Analysis Method -SOP-060 (R5) Analytical Batch -DE003333MYC   Reviewed On - 05/03/22 16:38:16 Instrument Used : Sciex 6500 Qtrap - Mycotoxins Running On :   Batch Date : 05/02/22 08:42:07 Analyzed by 2229,1696,2 Weight 0.1454g Extraction date 05/02/22 14:30:12 Extracted By 1696 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	0.002	ppm	ND	PASS	1.5
CADMIUM	0.001	ppm	ND	PASS	0.5
MERCURY	0.003	ppm	ND	PASS	1
LEAD	0.01	ppm	ND	PASS	1

 Analyzed by 2229,666,7  
 Weight 0.2384g  
 Extraction date 05/02/22 11:35:42  
 Extracted By 666

Analysis Method -SOP-050 (R5)

Analytical Batch -DE003331HEA | Reviewed On - 05/03/22 12:44:58

Instrument Used : Shimadzu 2030 ICP-MS

Running On : | Batch Date : 04/30/22 13:26:36

Dilution : 50

Reagent : 082721.13; 042622.R03; 042622.R02; 062121.04; 071620.05; 042622.R01; 042922.R09

Consumables : 210316-361-B; 114CB--114E; 12265-116CC-116; 234422

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-050 (R5). Sample preparation for Heavy Metals Analysis via SOP-050 (R5).