



Certificate of Analysis

Sample: DE20610005-002

Harvest/Lot ID: 22153

Batch#: CO HEMP - 22153

Seed to Sale# 1A4000B00010D25000001711

Batch Date: 06/02/22

Sample Size Received: 6.5 gram

Total Batch Size: N/A

Retail Product Size: 6.5 gram

Ordered : 06/09/22

Sampled : 06/09/22

Completed: 06/16/22

Sampling Method: N/A

PASSED

Page 1 of 4

Jun 16, 2022 | Mary's Nutritionals

License # 405R-00011

3251 North Revere Street Suite 200

Aurora, CO, 80239, US

MARY'S
nutritional

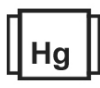
PRODUCT IMAGE



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

1.4107%

Total CBD/Container : 91.696 mg



Total Cannabinoids

1.4598%

Total Cannabinoids/Container : 94.887 mg

<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><</div>																											
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analyzed by:
2080, 2319, 8, 1642

Weight:
1.0049g

Extraction date:
06/11/22 16:04:39

Extracted by:
2319

Analysis Method : SOP-020 (R15)
Analytical Batch : DE003511POT
Instrument Used : Agilent 1100 "Falcon"
Running on : 06/13/22 14:53:25

Reviewed On : 06/14/22 11:20:19
Batch Date : 06/11/22 10:06:54

Dilution : 40
Reagent : 022222.R03; 052322.R08; 060922.R12
Consumables : 426852; HWK-TP3ML; ASO-8408; 00322250-6; 210622-688; 304015242; 12253-111CC-111; 923C4-923AK; 5079-525C6-525E
Pipette :

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	ND
TOTAL CBN	0.001	mg	TESTED	0.507



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 : DE20610005-002

Harvest/Lot ID: 22153

Batch# : CO HEMP - 22153

Sampled : 06/09/22

Ordered : 06/09/22

Sample Size Received : 6.5 gram

Total Batch Size : N/A

Completed : 06/16/22 Expires: 06/16/23

Sample Method : SOP-024

Page 2 of 4



Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
OTHER PESTICIDES	0.1	ppb	100	PASS	ND	Analyzed by:	Weight:	Extraction date:		Extracted by:	
SPINOSADS	0.0134	ppb	60	PASS	ND	2080, 2318, 7, 1253	0.1594g	06/13/22 14:02:43		2318	
TEBUCONAZOLE	0.01	ppb	10	PASS	ND	Analysis Method : SOP-060 (R5)					
AVERMECTINS	0.0271	ppb	70	PASS	ND	Analytical Batch : DE003516PES				Reviewed On : 06/16/22 09:57:22	
AZOXYSTROBIN	0.014	ppb	20	PASS	ND	Instrument Used : Sciex 6500 Qtrap - Pesticides				Batch Date : 06/13/22 11:17:13	
BIFENAZATE	0.011	ppb	20	PASS	ND	Running on :					
ETOXAZOLE	0.006	ppb	10	PASS	ND	Dilution : 25					
IMAZAIL	0.064	ppb	40	PASS	ND	Reagent : 053122.R06; 061322.R07; 061122.R01; 060822.R11; 061322.R08					
IMIDACLOPRID	0.007	ppb	20	PASS	ND	Consumables : FG0016; 00322643; 426852; ASO-8408; 00322250-6; 040CB-040D; 304015242; 229022					
MALATHION	0.011	ppb	50	PASS	ND	Pipette :					
MYCLOBUTANIL	0.013	ppb	40	PASS	ND	Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides via SOP-060 (R5).					
PERMETHRINS	0.0131	ppb	40	PASS	ND						
SPIROMESIFEN	0.049	ppb	30	PASS	ND						
SPIROTETRAMAT	0.03	ppb	20	PASS	ND						



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 : DE20610005-002
Harvest/Lot ID: 22153
Batch# : CO HEMP - 22153
Sampled : 06/09/22
Ordered : 06/09/22
Sample Size Received : 6.5 gram
Total Batch Size : N/A
Completed : 06/16/22 Expires: 06/16/23
Sample Method : SOP-024

Page 3 of 4



Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	4.2142	ppm	1000	PASS	ND
ETHYL ACETATE	2.7921	ppm	1000	PASS	ND
BUTANES	15.794	ppm	1000	PASS	ND
BENZENE	0.4749	ppm	2	PASS	ND
METHANOL	1.2786	ppm	600	PASS	<3.83604
HEPTANE	3.2594	ppm	1000	PASS	ND
PENTANES	13.828	ppm	1000	PASS	ND
TOLUENE	2.1088	ppm	180	PASS	ND
XYLENES	7.115	ppm	430	PASS	ND
ETHANOL	2.701	ppm	1000000	PASS	ND
ACETONE	1.708	ppm	1000	PASS	ND
2-PROPANOL	1.5875	ppm	1000	PASS	5.252
HEXANES	1.9279	ppm	60	PASS	ND

Analyzed by:
 NA

Weight:
Extraction date:
 NA

Extracted by:
 NA

Analysis Method : SOP-032 (R18)

Analytical Batch : DE003520SOL

Instrument Used : GC 5890

Running on : 06/14/22 12:14:38

Reviewed On : 06/15/22 16:04:31

Batch Date : 06/13/22 15:57:19

Dilution : 1

Reagent : 052422.R01; 060822.R07

Consumables : 210316-361-B; 24160453; 33120320183106; 61653-121C6-121H

Pipette :

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



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 : DE20610005-002

Harvest/Lot ID: 22153

Batch# : CO HEMP - 22153

Sampled : 06/09/22

Ordered : 06/09/22



Sample Size Received : 6.5 gram

Total Batch Size : N/A


Completed : 06/16/22 Expires: 06/16/23

Sample Method : SOP-024

Page 4 of 4

 Microbial PASSED						 Mycotoxins PASSED					
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
TOTAL AEROBIC	10	cfu/g	ND	PASS	10000	AFLATOXIN G1	0.18	ppb	ND	PASS	20
TOTAL COLIFORM	10	cfu/g	ND	PASS	100000	AFLATOXIN G2	0.303	ppb	ND	PASS	20
						OCHRATOXIN A+	0.049	ppb	ND	PASS	20
Analyzed by: 2080, 2265, 5 Weight: 5.09g Extraction date: 06/10/22 18:52:38 Extracted by: 2265						Analyzed by: 2080, 2318, 7, 1253 Weight: 0.1594g Extraction date: 06/13/22 14:07:20 Extracted by: 2318					
Analysis Method : SOP-061 (R2); SOP-062 (R2); SOP-063 (R1) Analytical Batch : DE003508MIC Instrument Used : Microbial - Full Panel Running on : 06/10/22 18:54:40						Analysis Method : SOP-060 (R5) Analytical Batch : DE003517MYC Instrument Used : Sciex 6500 Qtrap - Mycotoxins Running on :					
Dilution : 1 Reagent : 042922.R18; 060822.R02; 031622.R01; 060922.R11; 061322.R12; 052322.R07; 032322.R01; 052322.R06; 052322.02; 110821.02; 042722.02; 110821.04; 050922.01; 030322.06; 120921.03 Consumables : 01859; CB1J04A91005; 61653-121C6-121H; 40898-021C4-021A1; 210622-688; NT10-1212; 0000002841; 0000004355; CH_2147106; 00107; 20/08/30; 12265-115CC-115; 1 Pipette :						Dilution : Reagent : aflatoxins; aflatoxin_b1; aflatoxin_b2; aflatoxin_g1; aflatoxin_g2; ochratoxin_a Consumables : 20; 20; 20; 20; 20; 20 Pipette :					
Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) methods and plating methods. If a pathogenic Escherichia Coli (STEC) or Salmonella is detected in 1g of a sample, the sample fails the microbiological-impurity testing.						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.					

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) methods and plating methods. If a pathogenic Escherichia Coli (STEC) or Salmonella is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

 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: 2080, 666, 7 Weight: 0.2077g Extraction date: 06/13/22 15:12:27 Extracted by: 666					
Analysis Method : SOP-050 (R5) Analytical Batch : DE003510HEA Instrument Used : Shimadzu 2030 ICP-MS Running on : 06/13/22 15:46:38					
Dilution : 50 Reagent : 082721.13; 062121.04; 060622.R06; 060722.05; 061322.R02; 061322.R01 Consumables : 210316-361-B; 114CB-114E; 12265-115CC-115; 234422 Pipette :					

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).