



Certificate of Analysis

Sample: **DE1116018-005**
Harvest/Lot ID: **21312**
Batch#: **21312**
Seed to Sale# **1A4000B00010D25000000840**
Batch Date: **11/08/21**
Sample Size Received: **91 gram**
Total Weight/Volume: **N/A**
Retail Product Size: **91 gram**
Ordered : **11/16/21**
sampled : **11/16/21**
Completed: **11/19/21**
Sampling Method: **SOP-024**

Nov 19, 2021 | Mary's Nutritionals

License # 405R-00011
3251 North Revere Street Suite 200
Aurora, CO, 80239, US



PASSED

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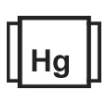
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
NOT TESTED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
NOT TESTED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Homogeneity
NOT TESTED



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
ND



Total CBD
0.245%



Total Cannabinoids
0.245%

CBDV	CBDA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXO-THC	CBDO	D9-THC	D8-THC	CBL	THCVA	CBC	D10-THC	CBNA	THCA	CBCA	CBLA	THC-O-ACETATE	
ND	ND	ND	0.245	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
LOD	0.00265237	0.001	0.00219044	2.8E-5	1.1E-5	0.00205806	0.00192419	1.0E-6	0.000237	0.0148	2.2E-5	0.00268886	0.000921807	0.000717378	0.00286194	0.0129	0.000910194	1.0E-5	0.00210199	0.00116619	0.003403

Cannabinoid Profile Test

Analyzed by 1253	Weight 1.0835g	Extraction date : 11/17/21 02:11:27	Extracted By : 1253
Analysis Method -SOP-020 (R15)	Reviewed On - 11/18/21 13:05:48	Batch Date : 11/17/21 09:59:58	
Analytical Batch -DE002682POT	Instrument Used : Agilent 1100 "Falcor"	Running On : 11/17/21 17:22:31	

Reagent	Dilution	Consums. ID	Consums. ID
111121.R05	40	07051275	923C4-923AK
111621.R12		BG045	5079-525C6-525E
111521.R11		210622-688	
		R1KB34782	
		298076054	
		12211-108CC-108	

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.

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Stephen Goldman
Lab Director
State License #
405R-00011 405-00008
ISO Accreditation # 4331.01



Signature

11/19/21
Signed On



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 : DE11116018-005
Harvest/LOT ID: 21312

Batch# : 21312
Sampled : 11/16/21
Ordered : 11/16/21

Sample Size Received : 91 gram
Total Weight/Volume : N/A
Completed : 11/19/21 Expires: 11/19/22
Sample Method : SOP-024


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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
OTHER PESTICIDES	0.1	ppb	100	ND
AVERMECTINS	0.0271	ppb	70	ND
AZOXYSTROBIN	0.0149	ppb	20	ND
BIFENAZATE	0.0118	ppb	20	ND
ETOXAZOLE	0.00645	ppb	10	ND
IMAZALIL	0.0646	ppb	40	ND
IMIDACLOPRID	0.00748	ppb	20	ND
MALATHION	0.01108	ppb	50	ND
MYCLOBUTANIL	0.0135	ppb	40	ND
PERMETHRINS	0.0131	ppb	40	6.414
SPIROMESIFEN	0.0499	ppb	30	ND
SPIROTETRAMAT	0.0301	ppb	20	ND
SPIINOSADS	0.0134	ppb	60	ND
TEBUCONAZOLE	0.0103	ppb	10	ND

Pesticides	LOD	Units	Action Level	Result
 Pesticides				PASSED
Analyzed by 1696	Weight 0.1516g	Extraction date 11/17/21 10:11:51	Extracted By 1696	
Analysis Method - SOP-060 (R5) Analytical Batch - DE002667PES		Instrument Used : Sciex 6500 Qtrap - Pesticides		
Running On :		Batch Date : 11/15/21 08:37:48		
Reagent	Dilution	Consums. ID		
111521.R01	25	07051275		
110621.R01		11199999		
110221.R01		B6045		
110321.R01		040CB-040D		
101821.R09		213685		
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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Stephen Goldman
Lab Director
State License #
405R-00011 405-00008
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Signature

11/19/21
Signed On



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 Aurora, CO, 80239, US
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Sample : DE11116018-005
Harvest/LOT ID: 21312
Batch# : 21312
Sampled : 11/16/21
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Sample Size Received : 91 gram
Total Weight/Volume : N/A
Completed : 11/19/21 **Expires:** 11/19/22
Sample Method : SOP-024

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Residual Solvents **PASSED**

Residual Solvents **PASSED**

Solvent	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	5.104
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	8.039
HEXANES	1.92798	ppm	60	PASS	ND

Analyzed by 1253	Weight 0.1603g	Extraction date 11/19/21 10:11:16	Extracted By 1253
Analysis Method -SOP-032 (R18)			
Analytical Batch -DE002679SOL		Reviewed On - 11/19/21 13:08:27	
Instrument Used : GC 5890			
Running On :			
Batch Date : 11/16/21 15:57:18			

Reagent	Dilution	Consums. ID
111121.R11	1	MKCN2192
111721.R14		24160453
		31726-2-1
		213685

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



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Mycotoxins

PASSED

Analyte	LOD	Units	Result	Action Level
AFLATOXIN G2	0.303	ppb	ND	20
AFLATOXIN G1	0.180	ppb	ND	20
AFLATOXIN B2	0.0904	ppb	ND	20
AFLATOXIN B1	1.327	ppb	ND	20
OCHRATOXIN A+	0.0491	ppb	ND	20
AFLATOXINS		ppb	0	20

Analysis Method -SOP-060 (R5)
Analytical Batch -DE002668MYC | Reviewed On - 11/19/21 10:42:02
Instrument Used : Sciex 6500 Qtrap - Mycotoxins
Running On :
Batch Date : 11/15/21 08:41:29

Analyzed by	Weight	Extraction date	Extracted By
1696	0.1516g	11/17/21 10:11:03	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

Reagent	Reagent	Dilution	Consums. ID
082721.13	111621.01	50	210316-361-B
111521.R03			114CB--114E
111521.R02			12294-118CC-118
102121.03			234422
071620.05			
110521.R02			

Metal	LOD	Unit	Result	Action Level
ARSENIC	0.0020	ppm	ND	1.5
CADMIUM	0.0016	ppm	ND	0.5
MERCURY	0.0035	ppm	ND	1
LEAD	0.0101	ppm	ND	1

Analyzed by	Weight	Extraction date	Extracted By
7	0.2316g	11/17/21 02:11:14	666

Analysis Method -SOP-050 (R5)
Analytical Batch -DE002678HEA | Reviewed On - 11/18/21 09:55:45
Instrument Used : Shimadzu 2030 ICP-MS
Running On : 11/17/21 15:00:31
Batch Date : 11/16/21 15:40:35

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).