



# Certificate of Analysis

Sample: DE11102011-001

Harvest/Lot ID: 21292

Batch#: 21292

Seed to Sale# 1A4000B00010D25000000786

Batch Date: 10/20/21

Sample Size Received: 91 gram

Total Weight/Volume: N/A

Retail Product Size: 92.1 gram

Ordered : 10/29/21

sampled : 10/29/21

Completed: 11/05/21 Expires: 11/05/22

Sampling Method: SOP-024

Nov 05, 2021 | Mary's Nutritionals

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



**PASSED**

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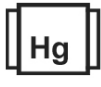
PRODUCT IMAGE



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 THC/Container :0 mg



Total CBD  
**0.217%**  
TOTAL CBD/Container :199.857 mg



Total Cannabinoids  
**0.217%**  
Total Cannabinoids/Container :199.857 mg

	CBDV	CBDA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXO-THC	CBQ	DB-THC	DB-THC	CBL	THCVA	CBC	D10-THC	CBNA	THCA	CBCA	CBLA	THC-O-ACETATE	
ND	ND	ND	0.217	ND	ND	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: 8 Weight: 1.0658g Extraction date: 11/02/21 03:11:35 Extracted By: 1642

Analysis Method -SOP-020 (R15) Reviewed On - 11/03/21 12:20:33 Batch Date : 11/02/21 10:39:50  
Analytical Batch -DE002609POT Instrument Used : Agilent 1100 "Falcon" Running On : 11/02/21 18:14:50

Reagent	Reagent	Dilution	Consums. ID	Consums. ID
101121.10	110221.01	40	88715911147201	923C4-923AK
102221.R04			1119999	5079-525C6-525E
080521.R11			BG045	
102921.R05			R1KB34782	
110121.R01			298076054	
110221.R09			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.

Label Claim - PASSED

Analyte	LOD	Units	Result
TOTAL CBG	0.001	mg	ND
TOTAL CBN	0.001	mg	ND

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

*Signature*  
Signature

11/05/21  
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 #:**

**Sample : DE11102011-001**  
**Harvest/LOT ID: 21292**  
**Batch# : 21292**  
**Sampled : 10/29/21**  
**Ordered : 10/29/21**

**Sample Size Received : 91 gram**  
**Total Weight/Volume : N/A**  
**Completed : 11/05/21 Expires: 11/05/22**  
**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	ND
SPIROMESIFEN	0.0499	ppb	30	ND
SPIROTETRAMAT	0.0301	ppb	20	ND
SPINOSADS	0.0134	ppb	60	ND
TUBUCONAZOLE	0.0103	ppb	10	ND

Pesticides	LOD	Units	Action Level	Result
 <b>Pesticides</b>				<b>PASSED</b>
<b>Analyzed by</b> 1696	<b>Weight</b> 0.2457g	<b>Extraction date</b> 11/03/21 02:11:29	<b>Extracted By</b> 1696	
<b>Analysis Method - SOP-060 (R5) ;</b>		<b>Batch Date : 11/01/21 13:23:19</b>		
<b>Analytical Batch - DE002603PES</b>				
<b>Instrument Used : Sciex 6500 Qtrap - Pesticides</b>				
<b>Running On :</b>				
<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>		
102521.R07	25	88715911147201		
101821.R09		ASO-8408		
102021.R12		80045		
102021.R13		040CB_040D		
		298076054		
		923C4-923AK		
		61653-121C6-121H		
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  
ISO Accreditation # 4331.01



Signature

11/05/21  
Signed On



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 Aurora, CO, 80239, US  
**Telephone:** 7207631044  
**Email:** csullivan@dixieelixirs.com  
**License #:**
**Sample : DE11102011-001**  
**Harvest/LOT ID: 21292**  
**Batch# : 21292**  
**Sampled : 10/29/21**  
**Ordered : 10/29/21**
**Sample Size Received : 91 gram**  
**Total Weight/Volume : N/A**  
**Completed : 11/05/21 Expires: 11/05/22**  
**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	8.858
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	<4.762
HEXANES	1.92798	ppm	60	PASS	ND

Analyzed by	Weight	Extraction date	Extracted By
7	0.2364g	11/03/21 01:11:16	7
<b>Analysis Method -SOP-032 (R18)</b>			
<b>Analytical Batch -DE002602SOL</b>		<b>Reviewed On - 11/04/21 11:17:48</b>	
<b>Instrument Used : GC 5890</b>			
<b>Running On :</b>			
<b>Batch Date : 11/01/21 11:13:57</b>			
Reagent	Dilution	Consums. ID	
100521.R03	1	210316-361-B	
110121.R07		24160453	
		31726-2-1	
		61653-121C6-121H	

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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**Sample : DE11102011-001**  
**Harvest/LOT ID: 21292**  
**Batch# : 21292**  
**Sampled : 10/29/21**  
**Ordered : 10/29/21**

**Sample Size Received : 91 gram**  
**Total Weight/Volume : N/A**  
**Completed : 11/05/21 Expires: 11/05/22**  
**Sample Method : SOP-024**

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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 -DE002605MYC | Reviewed On - 11/05/21 11:44:58**  
**Instrument Used : Sciex 6500 Qtrap - Mycotoxins**  
**Running On :**  
**Batch Date : 11/01/21 14:54:39**

Analyzed by	Weight	Extraction date	Extracted By
1696	0.2457g	11/03/21 02:11:06	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	102521.01	50	210316-361-B
102821.R20			040CB-040D
102821.R19			12294-118CC-118
102121.03			234422
101221.R01			
102121.R07			

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	g	11/02/21 02:11:10	666

**Analysis Method -SOP-050 (R5)**  
**Analytical Batch -DE002599HEA | Reviewed On - 11/04/21 09:08:54**  
**Instrument Used : Shimadzu 2030 ICP-MS**  
**Running On :**  
**Batch Date : 10/30/21 12:42:30**

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).