



# Certificate of Analysis

Sample: DE11013005-001

Harvest/Lot ID: 1278

Seed to Sale# 1A4000B00010D25000000693

Batch Date: 10/05/21

Batch#: 1278

Sample Size Received: 6.5 gram

Total Weight/Volume: N/A

Retail Product Size: 6.5 gram

Ordered : 10/12/21

sampled : 10/12/21

Completed: 10/18/21 Expires: 10/18/22

Sampling Method: SOP-024

Oct 18, 2021 | Mary's Nutritionals

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



**PASSED**

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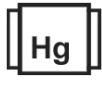
PRODUCT IMAGE



SAFETY RESULTS



Pesticides  
NOT TESTED



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  
**1.729%**



Total Cannabinoids  
**1.832%**

	CBDV	CBDVA	CBG	CBD	CBDa	THCV	CBGA	CBN	EXO-THC	CBDO	D9-THC	D8-THC	CBL	THCVA	CBC	D10-THC	CBNA	THCA	CBCA	CBLA	THC-D-ACETATE	
%	ND	ND	0.096	1.729	ND	ND	ND	0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ppm	ND	ND	0.96	17.29	ND	ND	ND	0.07	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: 1.0154g Extraction date: 10/14/21 02:10:53 Extracted By: 1642

Analysis Method -SOP-020 (R15) Reviewed On - 10/15/21 14:31:46 Batch Date : 10/14/21 11:24:41  
Analytical Batch -DE002516POT Instrument Used : Agilent 1100 "Falcon" Running On : 10/14/21 17:15:05

Reagent	Dilution	Consums. ID	Consums. ID
050421.10	40	887159111147201	923C4-923AK
080521.R11		1119999	5079-525C6-525E
101221.R16		00307958	
101221.R14		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*  
Signature

10/18/21  
Signed On



# Certificate of Analysis

**PASSED**

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

**Sample :** DE11013005-001  
**Harvest/LOT ID:** 1278

**Batch# :** 1278  
**Sampled :** 10/12/21  
**Ordered :** 10/12/21

**Sample Size Received :** 6.5 gram  
**Total Weight/Volume :** N/A  
**Completed :** 10/18/21 **Expires:** 10/18/22  
**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	10.34
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	<8.103
ACETONE	1.708	ppm	1000	PASS	ND
2-PROPANOL	1.58756	ppm	1000	PASS	ND
HEXANES	1.92798	ppm	60	PASS	ND

**Analyzed by** 1253      **Weight** 0.1602g      **Extraction date** 10/14/21 12:10:27      **Extracted By** 666

**Analysis Method -SOP-032 (R18)**  
**Analytical Batch -DE002513SOL**      **Reviewed On - 10/16/21 13:09:00**  
**Instrument Used : GC 5890**  
**Running On : 10/15/21 09:50:41**  
**Batch Date : 10/13/21 13:42:52**

Reagent	Dilution	Consums. ID
100521.R04	1	018C4-018D
100821.R02		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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**Stephen Goldman**  
Lab Director  
State License #  
405R-00011 405-00008  
ISO Accreditation # 4331.01

  
\_\_\_\_\_  
Signature

10/18/21  
\_\_\_\_\_  
Signed On



# Certificate of Analysis

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**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 -DE002512MYC | Reviewed On - 10/18/21 07:56:50

Instrument Used :

Running On :

Batch Date : 10/13/21 13:23:54

Analyzed by	Weight	Extraction date	Extracted By
7	0.1778g	10/16/21 02:10:08	7

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	101321.R11	50	018C4-018D
101321.R10			040CB-040D
071620.05			12294-118CC-118
101221.R01			234422
101321.R06			
101221.01			

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	0.213	1

Analyzed by	Weight	Extraction date	Extracted By
666	0.2136g	10/14/21 04:10:01	666

Analysis Method -SOP-050 (R5)

Analytical Batch -DE002504HEA | Reviewed On - 10/15/21 11:38:34

Instrument Used : Shimadzu 2030 ICP-MS

Running On : 10/14/21 16:16:13

Batch Date : 10/13/21 09:53:10

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).