



Certificate of Analysis

Sample: DE10111035-001
Harvest/Lot ID: 1A4000D0003A8B9000000045
Metrc #: 1A4000D0003A8B9000001115
Seed to Sale #1A4000D0003A8B9000001115
Batch Date : 01/08/21
Batch#: COSNO20-01
Sample Size Received: 9 gram
Total Weight/Volume: N/A
Retail Product Size: N/A gram
Ordered : 01/11/21
sampled : 01/11/21
Completed: 03/24/21 Expires: 03/24/22
Sampling Method: SOP-024

Apr 01, 2021 | LifeVantage Corp.

License # 403H-103408
3300 Triumph Blvd,
Lehi, UT, 84043

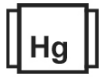


PASSED
Page 1 of 7

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
NOT TESTED



Terpenes
TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.000%



Total CBD
81.010%



Total Cannabinoids
84.401%

	CBDV	CBDVA	CBG	CBD	CBDa	THCV	CBGA	CBN	EXO-THC	CBDQ	D9-THC	D8-THC	CBL	THCVA	CBNA	CBC	THCA	CBCA	CBLA	
	3.39%	ND	ND	81.01%	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	33.91 mg/g	ND	ND	810.10 mg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LOD	0.00265 %	0.00070 %	0.00219 %	0.00333 %	0.00125 %	0.00205 %	0.00192 %	0.00183 %	0.00401 %	0.01480 %	0.00084 %	0.00268 %	0.00092 %	0.00071 %	0.00091 %	0.00286 %	0.00045 %	0.00210 %	0.00116 %	

Cannabinoid Profile Test

Analyzed by 7	Weight 0.1759g	Extraction date : 01/14/21 04:01:03	Extracted By : 666
Analysis Method -SOP-020 (R15)	Reviewed On - 01/29/21 09:28:33	Batch Date : 01/14/21 13:33:50	
Analytical Batch -DE001388POT	Instrument Used : Agilent 1100 "Liger" Running On :		

Reagent	Dilution	Consums. ID	Consums. ID
111620.12	200	24161320	5079-525C6-525E
011421.R06		9212322	
011121.R08		00302923	
011321.R05		ROBB28597	
		12054-036CC-036	
		923C4-923AK	

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


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04/01/2021
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Telephone: 1 (866) 460-7241

Email: support@lifevantage.com

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Batch #: COSNO20-01

Sampled : 01/11/21

Ordered : 01/11/21

Sample Size Received : 9 gram

Total Weight/Volume : N/A

Completed : 03/24/21 Expires: 03/24/22

Sample Method : SOP-024

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Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-PINENE	0.002	ND	ND						
CAMPHENE	0.002	ND	ND						
BETA-PINENE	0.002	ND	ND						
MYRCENE	0.002	ND	ND						
DELTA-3-CARENE	0.002	ND	ND						
ALPHA-TERPINENE	0.002	ND	ND						
P-CYMENE	0.002	ND	ND						
LIMONENE	0.002	ND	ND						
EUCALYPTOL	0.002	ND	ND						
CIS-OCIMENE	0.002	ND	ND						
GAMMA-TERPINENE	0.002	ND	ND						
TERPINOLENE	0.002	ND	ND						
LINALOOL	0.002	0.808	0.080						
(-)-ISOPULEGOL	0.002	ND	ND						
BORNEOL	0.002	ND	ND						
MENTHOL	0.002	ND	ND						
ALPHA-TERPINEOL	0.002	ND	ND						
PULEGONE	0.002	ND	ND						
GERANIOL	0.002	ND	ND						
2-ETHYL-FENCHOL	0.002	ND	ND						
BETA-CARYOPHYLLENE	0.002	3.614	0.361						
HUMULENE	0.002	ND	ND						
BISABOLENE	0.002	ND	ND						
NEROLIDOL	0.002	ND	ND						
(-)-CARYOPHYLLENE OXIDE	0.002	0.920	0.092						
(-)-GUAJOL	0.002	4.233	0.423						
(-)-ALPHA-BISABOLOL	0.002	ND	ND						
Total (%)		0.957							



Terpenes

TESTED

Analyzed by 667 **Weight** 0.1759g **Extraction date** 01/14/21 04:01:00 **Extracted By** 667
Analysis Method -SOP-067 (R0)
Analytical Batch -DE001389TER **Reviewed On - 01/15/21 12:50:15**
Instrument Used : GC 6890
Running On :
Batch Date : 01/14/21 13:48:16

Reagent	Dilution	Consums. ID
011321.R05	40	24161320 9212322 00302923 ROBB28597 12054-036CC-036 HWK-TP3ML

Terpenoid profile screening is performed by GC-FID with liquid injection via SOP-067 (R0) which can screen for 28 terpenes.

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Batch#: COSNO20-01

Sampled : 01/11/21

Ordered : 01/11/21

Sample Size Received : 9 gram

Total Weight/Volume : N/A

Completed : 03/24/21 Expires: 03/24/22

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
SPIROSADS	0.0134	ppb	60	ND
SPIROMESIFEN	0.0499	ppb	30	ND
SPIROTETRAMAT	0.0301	ppb	20	ND
TEBUCONAZOLE	0.0103	ppb	10	ND



Pesticides

PASSED

Analyzed by	Weight	Extraction date	Extracted By
7	0.1429g	01/13/21 12:01:17	7
<small>Analysis Method - SOP-060 (R5) , Analytical Batch : DE001375PES Instrument Used : Sciex 6500 Qtrap - Pesticides Running On : 01/13/21 13:00:48</small>			
<small>Batch Date : 01/12/21 08:39:53</small>			
Reagent	Dilution	Consums. ID	
<small>010721.R02 010721.R06 125020.R07 122120.R06 121420.R11</small>	25	<small>24161320 9212322 00302923 040CB-040D 280674667 5079525C6-525E</small>	
<small>Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides via SOP-060 (R5). *</small>			

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Stephen Goldman
Lab Director
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Signature

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Email: support@lifevantage.com

License #: 403H-103408

Sample : DE10111035-001

Harvest/LOT ID: 1A4000D0003A8B9000000045

Batch# : COSNO20-01

Sampled : 01/11/21

Ordered : 01/11/21

Sample Size Received : 9 gram


Total Weight/Volume : N/A

Completed : 03/24/21 Expires: 03/24/22

Sample Method : SOP-024

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	Residual Solvents	PASSED
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	Residual Solvents	PASSED
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Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	4.21421	ppm	1000	PASS	ND
BUTANES	15.794	ppm	1000	PASS	ND
METHANOL	1.27868	ppm	600	PASS	72.201
PENTANES	13.828	ppm	1000	PASS	ND
ETHANOL	2.70106	ppm	1000	PASS	107.638
ACETONE	1.708	ppm	1000	PASS	40.480
2-PROPANOL	1.58756	ppm	1000	PASS	31.479
HEXANES	1.92798	ppm	60	PASS	20.396
ETHYL ACETATE	2.79218	ppm	1000	PASS	ND
BENZENE	0.47491	ppm	2	PASS	ND
HEPTANE	3.25945	ppm	1000	PASS	ND
TOLUENE	2.10881	ppm	180	PASS	<6.326
XYLENES	7.115	ppm	430	PASS	ND

Analyzed by	Weight	Extraction date	Extracted By
666	0.1340g	01/12/21 06:01:33	4
Analysis Method -SOP-032 (R18)			
Analytical Batch -DE001380SOL		Reviewed On - 01/13/21 12:12:12	
Instrument Used : GC 5890			
Running On : 01/12/21 18:42:41			
Batch Date : 01/12/21 14:36:12			

Reagent	Dilution	Consums. ID
010521.R01	1	HWK-TP3ML 24154674 170029-7 5079-525C6-525E

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 : DE10111035-001
Harvest/LOT ID: 1A4000D0003A8B9000000045
Batch#: COSNO20-01 Sample Size Received : 9 gram
Sampled : 01/11/21 Total Weight/Volume : N/A
Ordered : 01/11/21 Completed : 03/24/21 Expires: 03/24/22
Sample Method : SOP-024

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Microbials
PASSED



Mycotoxins
PASSED

Analyte	LOD	Result
SALMONELLA SPECIES		not present in 1 gram.
SHIGA_TOXIN_PRODUCING_ESCHERICHIA_COLI_STEC		not present in 1 gram.
TOTAL_YEAST_AND_MOLD		not present in 1 gram.

Analysis Method -SOP-061 (R2); SOP-062 (R2); SOP-063 (R1)
Analytical Batch -DE001377MIC Batch Date : 01/12/21
Instrument Used : Microbial - Full Panel
Running On : 01/12/21

Analyzed by	Weight	Extraction date	Extracted By
6	0.62g	01/12/21	5

Reagent	Reagent	Reagent	Consums. ID	Consums. ID
120320.01	122720.R02	100419.03	61338-025C6-025H	NT10-1212
011221.R02	120520.R02	011221.R08	40898-021C4-021AI	040C7-0142
011221.R01	122620.R01	010721.R12	MKC2192	00019
010821.R10	110620.R01	121420.06	12054-036CC-036	CH_2047174
121020.R02	081220.02	111920.01	06520022	00100
120120.R06	112020.02	082720.29	0	

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.

Analyte	LOD	Units	Result	Action Level (PPM)
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	0.000	20

Analysis Method -SOP-060 (R5)
Analytical Batch -DE001376MYC | Reviewed On - 01/14/21 11:01:19
Instrument Used : Sciex 6500 Qtrap - Mycotoxins
Running On :
Batch Date : 01/12/21 08:40:59

Analyzed by	Weight	Extraction date	Extracted By
7	0.1429g	01/13/21 12:01:56	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
011121.R06	011221.02	50	018C4-018D
011121.R05			040CB-040D
081020.02			12054-036CC-036
071620.05			923C4-923AK
122120.R07			
010421.R09			

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.0020	ppm	<0.005	0.2
CADMIUM	0.0016	ppm	ND	0.2
MERCURY	0.0035	ppm	ND	0.1
LEAD	0.0101	ppm	<0.030	0.5

Analyzed by	Weight	Extraction date	Extracted By
7	0.2086g	01/13/21 01:01:48	666

Analysis Method -SOP-050 (R5)
Analytical Batch -DE001381HEA | Reviewed On - 01/14/21 08:25:40
Instrument Used : Shimadzu 2030 ICP-MS
Running On : 01/13/21 16:47:43
Batch Date : 01/13/21 11:11:49

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).

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Sample Method : SOP-024

Page 6 of 7



Other Testing

PASSED

Analyte	LOD	Units	Result	Action Level
TOTAL NITRATES	0	1	2.100	

**Analysis Method -SOP.T.30.074,
SOP.T.40.074**

Analytical Batch -NA

Instrument Used :
Batch Date :

**Reviewed On - 01/26/21
15:39:24**

Running On :

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COMMENTS

* Cannabinoid - DE10111035-001POT

1 - Anthocyanin Run: Cyanidin = 13.78 ppm

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