



Certificate of Analysis

Sample: **DE10218010-002**
Harvest/Lot ID: **N/A**
Metrc #: **1A4000D0003A8B9000001254**
Seed to Sale #: **1A4000D0003A8B9000001254**
Batch Date : **02/15/21**
Batch#: **RF041720**
Sample Size Received: **6 gram**
Total Weight/Volume: **N/A**
Retail Product Size: **N/A gram**
Ordered : **02/18/21**
sampled : **02/18/21**
Completed: **04/01/21** Expires: **04/01/22**
Sampling Method: **SOP-024**











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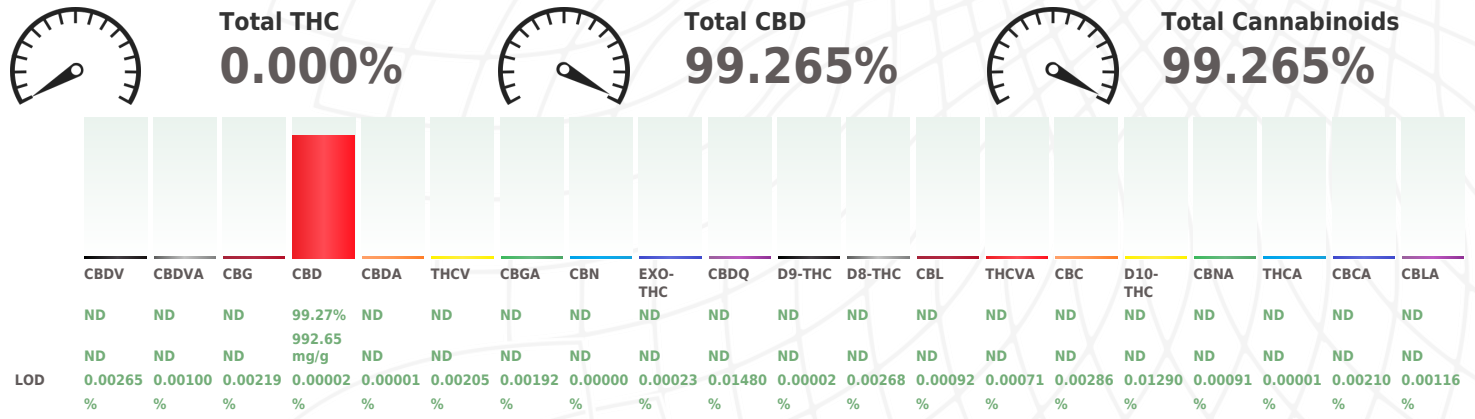


PASSED
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SAFETY RESULTS

									
Pesticides PASSED	Heavy Metals PASSED	Microbials PASSED	Mycotoxins NOT TESTED	Residuals Solvents PASSED	Filtration NOT TESTED	Water Activity NOT TESTED	Moisture NOT TESTED	Homogeneity NOT TESTED	Terpenes NOT TESTED

CANNABINOID RESULTS



Cannabinoid Profile Test

Analyzed by 7	Weight 0.1415g	Extraction date : NA	Extracted By : NA
Analysis Method -SOP-020 (R15)	Reviewed On - 03/25/21 12:04:14	Batch Date : 02/22/21 12:33:25	
Analytical Batch -DE001539POT	Instrument Used : Agilent 1100 "Falcon"	Running On :	

Dilution

400
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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04/11/2021
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Telephone: 03-5761-7667
Email: contact@balance-cbd.jp
License #: 403H-103408

Sample : DE10218010-002
Harvest/LOT ID: N/A

Batch# : RF041720
Sampled : 02/18/21
Ordered : 02/18/21

Sample Size Received : 6 gram
Total Weight/Volume : N/A
Completed : 04/01/21 Expires: 04/01/22
Sample Method : SOP-024


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Pesticides

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



Pesticides

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Analyzed by	Weight	Extraction date	Extracted By
7	0.1468g	NA	NA
<small>Analysis Method - SOP-060 (R5) , Analytical Batch : DE001526PES Instrument Used : Sciex 6500 Qtrap - Pesticides Running On : 02/18/21 15:18:03</small>			
Reagent	Dilution	Consums. ID	
020821.R007	25	24161320	
021821.R007		9214065	
020921.R002		00302923	
021721.R007		040CB-040D	
012921.R006		280674667	
		5079525C6-525E	

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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Harvest/LOT ID: N/A

Batch# : RF041720
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Sample Size Received : 6 gram
Total Weight/Volume : N/A
Completed : 04/01/21 Expires: 04/01/22
Sample Method : SOP-024

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Residual Solvents

PASSED



Residual Solvents

PASSED

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	86.580
PENTANES	13.828	ppm	1000	PASS	ND
ETHANOL	2.70106	ppm	10000	PASS	ND
ACETONE	1.708	ppm	1000	PASS	ND
2-PROPANOL	1.58756	ppm	1000	PASS	ND
HEXANES	1.92798	ppm	60	PASS	ND
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	ND
XYLENES	7.115	ppm	430	PASS	ND

Analyzed by	Weight	Extraction date	Extracted By
4	0.143g	NA	NA
Analysis Method -SOP-032 (R18)			
Analytical Batch -DE001521SOL		Reviewed On - 02/22/21 09:37:14	
Instrument Used : GC 5890			
Running On : 02/18/21 15:15:30			
Batch Date : 02/17/21 15:12:58			
Reagent	Dilution	Consums. ID	
021121.R08	1	HWK-TP3ML	
021721.R09		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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
Batch#: RF041720
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Sample Size Received : 6 gram
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Completed : 04/01/21 Expires: 04/01/22
Sample Method : SOP-024

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Microbials
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Heavy Metals
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 -DE001530MIC Batch Date : 02/18/21
Instrument Used : Microbial - Full Panel
Running On : 02/21/21

Analyzed by	Weight	Extraction date	Extracted By
5	0.94g	02/20/21	5

Reagent	Reagent	Reagent	Consums. ID	Consums. ID
022021.R01	012821.R14	080620.01	MKCN2192	181220602
012621.06	021921.R06	012621.R11	40898-021C4-021AI	040C7-0142
012621.07	021021.R05	081220.02	61292-019C6-019H	NT10-1212
021921.R12	020821.01	121720.01	00100	00019
021821.R08	082720.44	021521.R06	06520022	CH_2047174
020221.R21	090520.02	022121.R01	12054-036CC-036	

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.

Reagent	Reagent	Dilution	Consums. ID
111020.01	012921.R05	50	018C4-018D
021221.R08	021721.R17		040CB-040D
021821.R02			12054-036CC-036
021821.R01			923C4-923AK
011521.01			
071620.05			

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

Analyzed by	Weight	Extraction date	Extracted By
7	0.2134g	02/19/21 03:02:56	666

Analysis Method -SOP-050 (R5)
Analytical Batch -DE001532HEA | Reviewed On - 02/22/21 08:38:32
Instrument Used : Shimadzu 2030 ICP-MS
Running On : 02/19/21 16:55:18
Batch Date : 02/19/21 08:56:28

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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COMMENTS

* Cannabinoid - DE10218010-002POT

1 - THC = 52 ppm as determined via LC-MS/MS.

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