



Certificate of Analysis

Sample: DE10823017-013
Harvest/Lot ID: B#505
Seed to Sale# 1A4000B00010D25000000538

Batch Date: 02/05/21

Batch#: T-182

Sample Size Received: 8 ml

Total Weight/Volume: N/A

Retail Product Size: 1 gram

Ordered : 08/18/21

sampled : 08/18/21

Completed: 08/28/21 Expires: 08/28/22

Sampling Method: SOP-024

Sep 08, 2021 | Hemplucid

License # NA

4844 N. 300 W. Ste. 202

Provo, UT, 84604, US

hemplucid.

PASSED

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PRODUCT IMAGE

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

CANNABINOID RESULTS

Total THC
0.000%

Total CBD
7.92%

Total Cannabinoids
80.994%

	CBDV	CBDVA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXO-THC	CBDQ	D9-THC	D8-THC	CBL	THCVA	CBC	D10-THC	CBNA	THCA	CBGA	CBLA	THC-ACETATE
%	ND	ND	ND	7.92	ND	ND	ND	71.679	ND	ND	ND	ND	ND	ND	1.394	ND	ND	ND	ND	ND	ND
ppm	ND	ND	ND	79.2	ND	ND	ND	716.79	ND	ND	ND	ND	ND	ND	13.94	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
0.1587g

Extraction date :
09/07/21 05:09:50

Extracted By :
1642

Analysis Method -SOP-020 (R15)
Reviewed On - 09/08/21 12:10:54
Batch Date : 09/07/21 10:50:38
Analytical Batch -DE002365POT
Instrument Used : Agilent 1100 "Falcon" Running On :
Dilution

200

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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Email: sarah@hemplucid.com
License #: NA


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Batch# : T-182
Sampled : 08/18/21
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Total Weight/Volume : N/A
Completed : 08/28/21 Expires: 08/28/22
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		<div><div></div><div>Terpenes</div><div>TESTED</div></div> <div><div>Analyzed by 1253</div><div>Weight 0.1458g</div><div>Extraction date 08/24/21 05:08:20</div><div>Extracted By 1642</div></div> <div><div>Analysis Method -SOP-067 (R0)</div><div>Analytical Batch -DE002316TER</div><div>Instrument Used : GC 6890</div><div>Running On :</div><div>Batch Date : 08/24/21 17:52:00</div></div> <div><div>Reagent</div><div>Dilution 40</div><div>Consums. ID</div></div> <div>Terpenoid profile screening is performed by GC-FID with liquid injection via SOP-067 (R0) which can screen for 28 terpenes.</div>				
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	ND	ND						
(-)-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	ND	ND						
HUMULENE	0.002	ND	ND						
BISABOLENE	0.002	ND	ND						
NEROLIDOL	0.002	ND	ND						
(-)-CARYOPHYLLENE	0.002	ND	ND						
OXIDE									
(-)-GUAIOL	0.002	ND	ND						
(-)-ALPHA-BISABOLOL	0.002	3.06	0.306						
Total (%)		0.306							



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Batch# : T-182
Sampled : 08/18/21
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Sample Size Received : 8 ml
Total Weight/Volume : N/A
Completed : 08/28/21 Expires: 08/28/22
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
TEBUCONAZOLE	0.0103	ppb	10	ND

Pesticides	LOD	Units	Action Level	Result
<div></div> <div>Pesticides</div>				PASSED
Analyzed by 1696	Weight 0.1464g	Extraction date 08/24/21 02:08:43	Extracted By 1696	
Analysis Method - SOP-060 (R5) , Analytical Batch - DE002305PES Instrument Used - Sciex 6500 Qtrap - Pesticides Running On : 08/23/21 13:26:39				
Batch Date : 08/23/21 10:58:27				
Reagent	Dilution	Consums. ID		
081721.R008	25	887159111147201		
081621.R16		1119999		
081621.R00		00307958		
080521.R14		040CB-040D		
080321.R16		213685		
081821.R28		298076054		
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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License #: NA

Sample : DE10823017-013
Harvest/LOT ID: B#505
Batch# : T-182
Sampled : 08/18/21
Ordered : 08/18/21
Sample Size Received : 8 ml
Total Weight/Volume : N/A
Completed : 08/28/21 Expires: 08/28/22
Sample Method : SOP-024

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	Residual Solvents	PASSED
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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	6.385
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	21.815
ACETONE	1.708	ppm	1000	PASS	<5.124
2-PROPANOL	1.58756	ppm	1000	PASS	5.532
HEXANES	1.92798	ppm	60	PASS	ND

	Residual Solvents	PASSED
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Analyzed by	Weight	Extraction date	Extracted By
7	0.1541g	08/24/21 02:08:46	666
Analysis Method -SOP-032 (R18)		Reviewed On - 08/25/21 10:15:39	
Analytical Batch -DE002309SOL			
Instrument Used : GC 5890			
Running On :			
Batch Date : 08/23/21 15:35:38			
Reagent	Dilution	Consums. ID	
082421.R01	1	018C4-018D	
081821.R01		24160453	
		31726-2-1	
		61653-121C6-121H	
Residual solvents screening is performed using GCwhich can detect below single digit ppm concentrations. Currently we analyze for 15 Residual solvents			



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Harvest/LOT ID: B#505

Batch# : T-182

Sampled : 08/18/21

Ordered : 08/18/21

Sample Size Received : 8 ml

Total Weight/Volume : N/A

Completed : 08/28/21 **Expires:** 08/28/22

Sample Method : SOP-024

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	Microbials	PASSED
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Analyte	LOD	Result
TOTAL YEAST AND MOLD		not present in 1 gram.
SHIGA_TOXIN_PRODUCING_ESCHERICHIA_COLI_STEC		not present in 1 gram.
SALMONELLA SPECIES		not present in 1 gram.

Analysis Method -SOP-061 (R2); SOP-062 (R2); SOP-063 (R1)
Analytical Batch -DE002312MIC **Batch Date :** 08/24/21 09:44:25
Instrument Used : Microbial - Full Panel
Running On : 08/24/21 15:41:03

Analyzed by	Weight	Extraction date	Extracted By
6	0.73g	08/24/21 03:08:59	5

Reagent Reagent Reagent Reagent Consums. ID Consums. ID

080321.R12	071321.12	070821.01	072821.16	16564-106C6-106H	1
072921.R09	080221.R13	050521.02	072821.17	40898-021C4-021AI	00102
082321.R13	082421.R06	100419.03		210316-361-B	2
082421.R11	052021.R16	082421.02		08521045	CH_2048055
081821.R02	082021.R03	082321.R08		0	
070921.09	072621.R13	082321.R07		NT10-1212	

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.

	Mycotoxins	PASSED
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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 -DE002311MYC | **Reviewed On** - 08/25/21 14:03:38
Instrument Used : Sciex 6500 Qtrap - Mycotoxins
Running On :
Batch Date : 08/24/21 08:27:31

Analyzed by	Weight	Extraction date	Extracted By
1696	0.1464g	08/24/21 02:08:47	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
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Reagent	Dilution	Consums. ID
081721.01	50	018C4-018D
060821.09		040CB-040D
080521.R15		12294-118CC-118
081721.R05		923C4-923AK

Metal	LOD	Unit	Result	Action Level
ARSENIC	0.0020	ppm	0.009	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	0.2069g	08/26/21 10:08:10	666

Analysis Method -SOP-050 (R5)
Analytical Batch -DE002310HEA | **Reviewed On** - 08/28/21 11:44:00
Instrument Used : Shimadzu 2030 ICP-MS
Running On :
Batch Date : 08/23/21 16:20:40

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).