



Certificate of Analysis

Sample: DE20127009-001

Harvest/Lot ID: ISO-00422-B2

Batch#: 2021-706

Seed to Sale# 1A4000B00010D25000001147

Batch Date: 01/04/22

Sample Size Received: 7 gram

Total Weight/Volume: N/A

Retail Product Size: 1 gram

Ordered : 01/25/22

sampled : 01/25/22

Completed: 02/02/22

Sampling Method: SOP-024

PASSED

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Feb 02, 2022 | Hemplucid

License # 405R-00011

4844 N. 300 W. Ste. 202

Provo, UT, 84604, US

hemplucid.

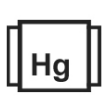
PRODUCT IMAGE



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
TESTED

CANNABINOID RESULTS



Total THC
ND



Total CBD
92.29%



Total Cannabinoids
92.577%

	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-O-ACETATE
%	0.287	ND	ND	92.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
mg/g	2.87	ND	ND	922.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LOD	0.001	0.00070559	0.00219044	0.00333396	0.00125116	0.00205806	0.00192419	0.00183167	0.00401072	0.0148	0.000847945	0.00268886	0.000921807	0.000717378	0.00286194	0.000534	0.000910194	0.000458461	0.00210199	0.00116619	0.003403
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by 8	Weight 0.1567g	Extraction date : 01/28/22 02:01:42	Extracted By : 1642
Analysis Method -SOP-020 (R15)	Reviewed On - 01/31/22 08:53:53	Batch Date : 01/28/22 10:47:22	
Analytical Batch -DE002952POT	Instrument Used : Agilent 1100 "Liger"	Running On : 01/28/22 15:06:54	

Reagent	Reagent	Dilution	Consums. ID	Consums. ID
011322.03	012822.R16	200	11152021	234422
122321.R02			1119999	5079-525C6-525E
012522.R09			00291464	
102221.R05			R1KB34782	
012622.R02			298076054	
012422.01			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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 Telephone: 7192318261
 Email: sarah@hemplucid.com
 License#: 405R-00011

 Sample : DE20127009-001
 Harvest/Lot ID: ISO-00422-B2

 Batch# : 2021-706
 Sampled : 01/25/22
 Ordered : 01/25/22

 Sample Size Received : 7 gram
 Total Weight/Volume : N/A
 Completed : 02/02/22 Expires: 02/02/23
 Sample Method : SOP-024

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Analyzed by 1542	Weight 0.1567g	Extraction date 01/28/22 04:01:51	Extracted By 1542
Analysis Method - SOP-067 (R0) Analytical Batch - DE002953TER Instrument Used : GC 6890 Running On : 01/28/22 16:47:49 Batch Date : 01/28/22 16:06:29		Reviewed On - 01/31/22 14:05:16	
Reagent 012622.R02 012422.01	Dilution 40	Consums. ID 11152021 1119999 00291464 210622-688 R1KB34782 298076054 12211-108CC-108	
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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Sample : DE20127009-001
Harvest/Lot ID: ISO-00422-B2

Batch# : 2021-706
Sampled : 01/25/22
Ordered : 01/25/22


Sample Size Received : 7 gram
Total Weight/Volume : N/A
Completed : 02/02/22 **Expires:** 02/02/23
Sample Method : SOP-024

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Pesticides

Pesticides	LOD	Units	Action Level	Pass/Fail	Result
OTHER PESTICIDES	0.1	ppb	100	PASS	ND
AVERMECTINS	0.0271	ppb	70	PASS	ND
AZOXYSTROBIN	0.0149	ppb	20	PASS	ND
BIFENAZATE	0.0118	ppb	20	PASS	ND
ETOXAZOLE	0.00645	ppb	10	PASS	ND
IMAZALIL	0.0646	ppb	40	PASS	ND
IMIDACLOPRID	0.00748	ppb	20	PASS	ND
MALATHION	0.01108	ppb	50	PASS	ND
MYCLOBUTANIL	0.0135	ppb	40	PASS	ND
PERMETHRINS	0.0131	ppb	40	PASS	ND
SPIROMESIFEN	0.0499	ppb	30	PASS	ND
SPIROTETRAMAT	0.0301	ppb	20	PASS	ND
SPINOSADS	0.0134	ppb	60	PASS	ND
TEBUCONAZOLE	0.0103	ppb	10	PASS	ND



Pesticides

PASSED

Analyzed by1696

Weight0.1535g

Extraction date01/28/22 01:01:39

Extracted By1696

Analysis Method : SOP-060 (R5),
Analytical Batch : DE002930PES
Instrument Used : Sciex 6500 Qtrap - Pesticides
Running On :

Batch Date : 01/24/22 14:48:03


Reagent011222.R02
011822.R17
012422.R06
012022.R02
011222.R01

Dilution25

Consumables ID11152021
ASO-8408
00291464
040CB-040D
16564-106C6-106H

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentration for regulated Pesticides via SOP-060 (R5). *

Pesticides



Pesticides

PASSED

Analyzed by
1696
Analysis Method - SOP-060 (R5),
Analytical Batch - DE002930PES
Instrument Used : Sciex 6500 Qtrap - Pesticides
Running On :

Weight
0.1535g

Extraction date
01/28/22 01:01:39

Extracted By
1696

Reagent
012222.R02
011822.R17
012422.R06
012022.R02
011222.R01

Dilution
25

Consumables ID
11152021
ASO-8408
00291464
040CB-040D
16564-106C6-106H

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentration for regulated Pesticides via SOP-060 (R5). *

Batch Date : 01/24/22 14:48:03



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Sample : DE20127009-001
Harvest/Lot ID: ISO-00422-B2

Batch# : 2021-706
Sampled : 01/25/22
Ordered : 01/25/22

Sample Size Received : 7 gram
Total Weight/Volume : N/A
Completed : 02/02/22 **Expires:** 02/02/23
Sample Method : SOP-024

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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	<1.424
METHANOL	1.27868	ppm	600	PASS	6.613
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	<5.124
2-PROPANOL	1.58756	ppm	1000	PASS	ND
HEXANES	1.92798	ppm	60	PASS	25.562



Residual Solvents

PASSED

Analyzed by 1253	Weight 0.153g	Extraction date 01/28/22 03:01:42	Extracted By 666
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Analysis Method -SOP-032 (R18)
Analytical Batch -DE002949SOL
Instrument Used : GC 5890
Running On :
Batch Date : 01/28/22 08:50:46
Reviewed On - 01/31/22 12:32:38

Reagent 010822.R02 012822.R05	Dilution 1	Consumables ID 24160453 31726-2-1 5079-525C6-525E 210316-361-B
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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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Sample : DE20127009-001
Harvest/Lot ID: ISO-00422-B2

Batch# : 2021-706
Sampled : 01/25/22
Ordered : 01/25/22

Sample Size Received : 7 gram
Total Weight/Volume : N/A
Completed : 02/02/22 **Expires:** 02/02/23
Sample Method : SOP-024

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<div>Microbials</div> <div>PASSED</div>				<div><div><div>Hg</div></div>Heavy Metals</div> <div>PASSED</div>						
Analyte	LOD		Result	Pass / Fail	Metal	LOD	Unit	Result	Pass / Fail	Action Level
TOTAL YEAST AND MOLD			not present in 1 gram.	PASS	ARSENIC	0.0020	ppm	ND	PASS	0.2
SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC			not present in 1 gram.	PASS	CADMIUM	0.0016	ppm	ND	PASS	0.2
SALMONELLA SPECIES			not present in 1 gram.	PASS	MERCURY	0.0035	ppm	ND	PASS	0.1
MICROBIALS			not present in 1 gram.	PASS	LEAD	0.0101	ppm	ND	PASS	0.5
<div>Analysis Method -SOP-061 (R2); SOP-062 (R2); SOP-063 (R1)</div> <div>Analytical Batch -DE002951MIC Batch Date : 01/28/22 10:40:33</div> <div>Instrument Used : Microbial - Full Panel</div> <div>Running On : 01/28/22 16:00:07</div>										
Analyzed by	Weight	Extraction date		Extracted By	Analyzed by	Weight	Extraction date		Extracted By	
5	1.05g	01/28/22 04:01:15		5	7	0.2033g	01/31/22 04:01:13		666	
<div>Analysis Method -SOP-050 (R5)</div> <div>Analytical Batch -DE002954HEA Reviewed On - 02/02/22 09:49:26</div> <div>Instrument Used : Shimadzu 2030 ICP-MS</div> <div>Running On : Batch Date : 01/28/22 16:09:39</div>										
Reagent	Reagent	Reagent	Reagent	Dilution	Consums. ID	Consums. ID	Reagent	Reagent	Dilution	Consums. ID
012622.R01	121721.R17	110821.02	082421.08	1	16564-106C6-106H	NT10-1212	082721.13	012422.01	50	210316-361-B
012522.R04	011122.R17	122321.01	012522.R03		210622-688	00104	102121.03			114CB-114E
012722.R01	012422.R07	121521.31	013122.R06		0	01860	071620.05			12294-118CC-118
112921.R19	091421.R01	122921.01	012722.R02		20/08/30	C_2142603	012422.R08			234422
121721.R06	082721.01	012522.01	121421.12		CB1F14A 91005	0000004355				
101521.R04	110821.04	122221.01			1	2				
<div>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.</div>										