



Certificate of Analysis

Sample: DE20118012-002
Harvest/Lot ID: 2020-O-RME-0004-0011
Batch#: N/A
Seed to Sale# 1A4000B00010D25000001110
Batch Date: 01/01/22
Sample Size Received: 7 ml
Total Weight/Volume: N/A
Retail Product Size: 1 gram
Ordered : 01/13/22
sampled : 01/13/22
Completed: 01/25/22
Sampling Method: SOP-024

PASSED

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Jan 25, 2022 | Hemplucid

License # 405R-00011

4844 N. 300 W. Ste. 202

Provo, UT, 84604, US

hemplucid.

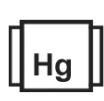
PRODUCT IMAGE



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
70.334%



Total Cannabinoids
77.185%

	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
%	ND	ND	ND	70.334	ND	ND	ND	0.972	ND	2.825	ND	ND	ND	ND	3.054	ND	ND	ND	ND	ND	ND
mg/g	ND	ND	0.00070559	703.34	ND	ND	ND	9.72	ND	28.25	ND	ND	ND	ND	30.54	ND	0.000910194	ND	ND	ND	ND
LOD	0.001	%	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 0.1432g	Extraction date : 01/19/22 02:01:30	Extracted By : 8
Analysis Method -SOP-020 (R15)	Reviewed On - 01/20/22 14:50:14	Batch Date : 01/19/22 10:53:32	
Analytical Batch -DE002906POT	Instrument Used : Agilent 1100 "Liger"	Running On : 01/19/22 16:59:56	

Reagent	Dilution	Consums. ID	Consums. ID
122321.R02	200	11152021	234422
011822.R08		ASO-8408	61596-112C6-112E
012022.R04		05821015	
		BG045	
		R1K834782	
		12265-115CC-115	

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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Harvest/Lot ID: 2020-O-RME-0004-0011

Batch# : N/A

Sampled : 01/13/22

Ordered : 01/13/22

Sample Size Received : 7 ml

Total Weight/Volume : N/A

Completed : 01/25/22 Expires: 01/25/23

Sample Method : SOP-024

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Terpenes

TESTED

Terpenes	LOD(%)	mg/ml	%	Result (%)	Terpenes	LOD(%)	mg/ml	%	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	< 0.2	< 0.02						
ALPHA-TERPINENE	0.002	ND	ND						
P-CYME	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 OXIDE	0.002	2.36	0.236						
(-)-GUAIOL	0.002	1.36	0.136						
(-)-ALPHA-BISABOLOL	0.002	6.76	0.676						
Total (%)				1.048					



Terpenes

TESTED

Analyzed by 1542	Weight 0.1432g	Extraction date 01/19/22 02:01:56	Extracted By 1542
Analysis Method - SOP-067 (R0)		Reviewed On - 01/21/22 09:21:31	
Analytical Batch - DE002910TER			
Instrument Used : GC 6890			
Running On : 01/19/22 17:29:50			
Batch Date : 01/19/22 14:44:10			
Reagent 011922.R05	Dilution 40	Consums. ID 11152021 1119999 00291464 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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Harvest/Lot ID: 2020-O-RME-0004-0011
Batch# : N/A

Sampled : 01/13/22

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Sample Size Received : 7 ml

Total Weight/Volume : N/A

Completed : 01/25/22 **Expires:** 01/25/23

Sample Method : SOP-024


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Pesticides

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Pesticides



Pesticides

PASSED

Analyzed by
1696

Weight
0.1524g

Extraction date
01/20/22 12:01:25

Extracted By
1696

Analysis Method - SOP-060 (R5),
Analytical Batch - DE002914PES
Instrument Used : Sciex 6500 Qtrap - Pesticides
Running On :

Batch Date : 01/20/22 08:38:23

Reagent

Dilution

Consumables ID

01I0422.R06

25

11152021

01I1822.R07

1119999

122721.R07

00291464

01I2222.R02

114CB-114E

01I2222.R01

16564-106C6106H

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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Batch# : N/A

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Sample Size Received : 7 ml

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Completed : 01/25/22 **Expires:** 01/25/23

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	ND
METHANOL	1.27868	ppm	600	PASS	<3.836
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	ND
ACETONE	1.708	ppm	1000	PASS	ND
2-PROPANOL	1.58756	ppm	1000	PASS	ND
HEXANES	1.92798	ppm	60	PASS	ND



Residual Solvents

PASSED

Analyzed by 7	Weight 0.1563g	Extraction date 01/19/22 02:01:35	Extracted By 7
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Analysis Method -SOP-032 (R18)
Analytical Batch -DE002907SOL
Instrument Used : GC 5890

Running On :
Batch Date : 01/19/22 11:17:42

Reviewed On - 01/20/22 13:00:00

Reagent 011922.R07	Dilution 1	Consumables ID 24160453 31726-2-1 16564-106C6-106H
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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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Batch# : N/A
Sampled : 01/13/22
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Sample Size Received : 7 ml
Total Weight/Volume : N/A
Completed : 01/25/22 **Expires:** 01/25/23
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
Analysis Method -SOP-061 (R2); SOP-062 (R2); SOP-063 (R1) Analytical Batch -DE002905MIC Batch Date : 01/18/22 18:12:32 Instrument Used : Microbial - Full Panel Running On : 01/19/22 12:46:46				Analyzed by 7	Weight 0.2263g	Extraction date 01/19/22 11:01:07	Extracted By 666		
Analyzed by 1473				Weight 1.48g	Extraction date 01/19/22 10:01:24	Extracted By 1473			
Reagent	Reagent	Reagent	Dilution	Consums.	ID	Consums.	ID		
011822.R09	121421.R08	122321.01	1	61596-112C6-112E	1	40898-021C4-021AI	20/08/30		
011822.R07	123021.R04	022221.62		0	01860	CB1F14A 91005	00104		
011122.R12	121421.R09	011722.R07		210622-688	C_2142603	102121.03			
112921.R19	082721.01	011822.R10		12265-115CC-115					
121721.R06	110821.04	121421.09		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).					
101521.R04	110821.02			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.					