



License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

Hemplucid
4844 N 300 W
Provo, UT 84604

Batch # HL-D8POD-SM
Batch Date: 2021-05-07
Extracted From: Hemp

Test Reg State: Florida

Production Facility: Hemplucid
Production Date: 2021-05-07

Order # HEM210507-020036
Order Date: 2021-05-07
Sample # AABI068

Sampling Date: 2021-05-11
Lab Batch Date: 2021-05-11
Completion Date: 2021-05-18

Initial Gross Weight: 18.630 g

Number of Units: 1
Net Weight per Unit: 1000.000 mg



Product Image

Potency
Tested



Delta 8/Delta 10 Potency

12

Specimen Weight: 58.320 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	100.000	0.000026	0.001	716.400	71.640
Delta-10 THC	1000.000	0.000003	0.001		<LOQ
Delta-9 THC	100.000	0.000013	0.001		<LOQ
CBC	100.000	0.000018	0.001		<LOQ
CBD	100.000	0.000054	0.001		<LOQ
THCV	100.000	0.000007	0.001		<LOQ
THCA-A	100.000	0.000032	0.001		<LOQ
CBN	100.000	0.000014	0.001		<LOQ
CBGA	100.000	0.00008	0.001		<LOQ
CBG	100.000	0.000248	0.001		<LOQ
CBDV	100.000	0.000065	0.001		<LOQ
CBDA	100.000	0.00001	0.001		<LOQ

Tested
(LCUV)



Potency Summary

Total Delta 8 71.640%	716.400mg	Total Delta 10 None Detected
Total THC None Detected		Total CBD None Detected
Total CBG None Detected		Total CBN None Detected
Other Cannabinoids None Detected		Total Cannabinoids 71.640% 716.400mg

Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixia Sun
D.H.Sc., M.Sc., B.Sc., MT (AAB)
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 5%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.



Certificate of Analysis

Sample: DE10519002-018

Harvest/Lot ID: 1320003

Seed to Sale #1A4000B00010D25000000229

Batch Date : 04/26/21

Batch#: MO44688

Sample Size Received: 4 ml

Total Weight/Volume: N/A

Retail Product Size: 1 gram

Ordered : 05/14/21

sampled : 05/14/21

Completed: 05/24/21 Expires: 05/24/22

Sampling Method: SOP-024

PASSED

Page 1 of 4

May 24, 2021 | Hemplucid











License # NA
4844 N. 300 W. Ste. 202
Provo, CO, 84604, US



PRODUCT IMAGE SAFETY RESULTS

MISC.



PRODUCT IMAGE	SAFETY RESULTS	MISC.
	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	

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Stephen Goldman
Lab Director

State License #
405R-00011 405-00008
ISO Accreditation # 4331.01

Signature

05/24/21

Signed On



Certificate of Analysis

PASSED

4844 N. 300 W. Ste. 202
Provo, CO, 84604, US
Telephone: 7192318261
Email: sarah@hemplucid.com
License #: NA

Sample : DE10519002-018
Harvest/LOT ID: 1320003

Batch# : MO44688
Sampled : 05/14/21
Ordered : 05/14/21

Sample Size Received : 4 ml
Total Weight/Volume : N/A
Completed : 05/24/21 Expires: 05/24/22
Sample Method : SOP-024


Page 2 of 4



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
SPIINOSADS	0.0134	ppb	60	ND
TEBUCONAZOLE	0.0103	ppb	10	ND



Pesticides

PASSED

Analyzed by : 7 **Weight** : 0.1486g **Extraction date** : 05/24/21 09:05:19 **Extracted By** : 7

Analysis Method : SOP-060 (R5) ,
Analytical Batch : DE001920PES
Instrument Used : Sciex 6500 Qtrap - Pesticides
Running On : **Batch Date** : 05/18/21 14:44:07

Reagent	Dilution	Consums. ID
051221.R15	25	041321
051921.R06		0264898
051321.R19		00302923
051321.R06		040CB-0410D
051821.R15		280674667
030921.R21		213685
041321.R04		
051821.R10		
052221.R02		
052221.R03		

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

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Stephen Goldman
Lab Director
State License #
405R-00011 405-00008
ISO Accreditation # 4331.01



Signature

05/24/21
Signed On



Certificate of Analysis

PASSED

4844 N. 300 W. Ste. 202
Provo, CO, 84604, US
Telephone: 7192318261
Email: sarah@hemplucid.com
License #: NA

Sample : DE10519002-018
Harvest/LOT ID: 1320003

Batch# : MO44688
Sampled : 05/14/21
Ordered : 05/14/21

Sample Size Received : 4 ml
Total Weight/Volume : N/A
Completed : 05/24/21 **Expires:** 05/24/22
Sample Method : SOP-024

Page 3 of 4



Residual Solvents

PASSED



Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	4.214210	ppm	1000	PASS	ND
ETHYL ACETATE	2.792180	ppm	1000	PASS	<8.376
BUTANES	15.794	ppm	1000	PASS	ND
BENZENE	0.474910	ppm	2	PASS	ND
METHANOL	1.278680	ppm	600	PASS	11.127
HEPTANE	3.259450	ppm	1000	PASS	ND
PENTANES	13.828	ppm	1000	PASS	ND
TOLUENE	2.108810	ppm	180	PASS	ND
XYLENES	7.115	ppm	430	PASS	ND
ETHANOL	2.701060	ppm	10000	PASS	<8.103
ACETONE	1.708000	ppm	1000	PASS	12.223
2-PROPANOL	1.587560	ppm	1000	PASS	6.281
HEXANES	1.927980	ppm	60	PASS	ND

Analyzed by 666 **Weight** 0.1665g **Extraction date** 05/20/21 04:05:38 **Extracted By** 666

Analysis Method -SOP-032 (R18)
Analytical Batch -DE001931SOL **Reviewed On - 05/22/21 18:11:01**
Instrument Used : Shimadzu 2030 ICP-MS
Running On : 05/20/21 16:32:49
Batch Date : 05/20/21 10:29:14

Reagent	Dilution	Consums. ID
042121.R01	1	018C4-018D
052021.R05		24160453
		31726-2-1
		923C4-923AK

Residual solvents screening is performed using GC which can detect below single digit ppm concentrations. Currently we analyze for 15 Residual solvents.



Certificate of Analysis

PASSED

Page 4 of 4

4844 N. 300 W. Ste. 202
Provo, CO, 84604, US
Telephone: 7192318261
Email: sarah@hemplucid.com
License #: NA


Sample : DE10519002-018
Harvest/LOT ID: 1320003

Batch# : MO44688
Sampled : 05/14/21
Ordered : 05/14/21

Sample Size Received : 4 ml
Total Weight/Volume : N/A
Completed : 05/24/21 Expires: 05/24/22
Sample Method : SOP-024



Microbials
PASSED



Heavy Metals
PASSED

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 -DE001927MIC Batch Date : 05/19/21
Instrument Used : Microbial - Full Panel
Running On : 05/21/21

Analyzed by	Weight	Extraction date	Extracted By
6	0.76g	05/20/21	1473

Reagent	Reagent	Reagent	Reagent	Consums. ID	Consums. ID
050321.R12	050721.R06	031121.07	052121.R05	0	00019
042721.R17	022321.R13	100419.03	051421.R04	1	00100
051821.R12	042821.01	040221.01	040121.23	MKCN2192	CH_2048639
051821.R11	051321.01	022221.19	040121.24	20/08/30	
050421.R02	051921.01	042721.R20		2	
041421.R12	021221.02	051421.R03		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.

Reagent	Reagent	Dilution	Consums. ID
042321.01	051821.01	50	018C4-018D
051921.R02			040CB-040D
051921.R01			12104-042CC-042
071620.05			923C4-923AK
051921.R03			
051721.R02			

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	<0.030	0.5

Analyzed by	Weight	Extraction date	Extracted By
7	0.2109g	05/20/21 01:05:41	666

Analysis Method -SOP-050 (R5)
Analytical Batch -DE001930HEA | Reviewed On - 05/21/21 08:32:43
Instrument Used : Shimadzu 2030 ICP-MS
Running On : 05/20/21 13:47:47
Batch Date : 05/20/21 08:44:03

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).

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Stephen Goldman
Lab Director
State License #
405R-00011 405-00008
ISO Accreditation # 4331.01


Signature

05/24/21
Signed On