



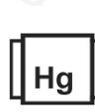
Certificate of Analysis

Sample: DE20428009-005
Harvest/Lot ID: O-DIS-YP5-09622-B1
Batch#: P0386
Seed to Sale# 1A4000B00010D25000001516
Batch Date: 04/06/22
Sample Size Received: 10 ml
Total Weight/Volume: N/A
Retail Product Size: 1 gram
ordered : 04/25/22
sampled : 04/25/22
Completed: 05/05/22
Sampling Method: SOP-024

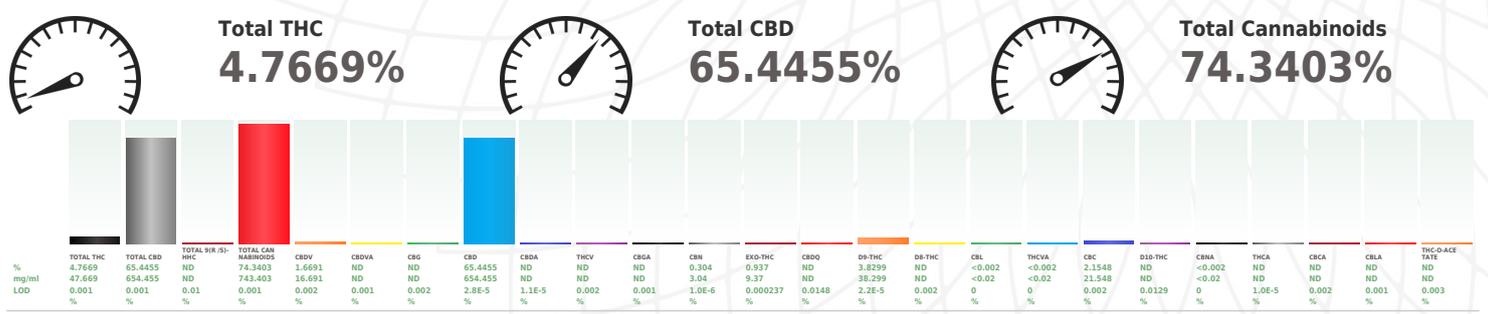
May 05, 2022 | Hemplucid
License # 405R-00011
4844 N. 300 W. Ste. 202
Provo, UT, 84604, US



PASSED
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PRODUCT IMAGE	SAFETY RESULTS									MISC.
	 Pesticides PASSED	 Heavy Metals PASSED	 Microbials PASSED	 Mycotoxins PASSED	 Residuals Solvents PASSED	 Filtration NOT TESTED	 Water Activity NOT TESTED	 Moisture NOT TESTED	 Homogeneity Testing NOT TESTED	 Terpenes TESTED

 **Cannabinoid** **PASSED**



<p>Analized by 2229, 1642, 8</p> <p>Analysis Method - SOP-020 (R15) Reviewed On - 05/02/22 15:33:02 Analytical Batch - DE003328POT Dilution : 200</p>	<p>Weight 0.1745g</p>	<p>Extraction date : 04/29/22 15:40:49</p>	<p>Extracted By : 1642</p>
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Reagent : 032822.14; 022222.R03; 042222.R09; 042622.R12; 042922.R08; 042922.R09
Consumables : 24169051; 1154419; 00313368; R1KB54892; 304015242; 12211-108CC-108; 234422; 5079-525C6-525E
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


Signature

05/05/22
Signed On



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Telephone: 7192318261
Email: sarah@hemplucid.com
License # : 405R-00011

Sample : DE20428009-005
Harvest/Lot ID: O-DIS-YP5-09622-B1
Batch# : PO386
Sample Size Received : 10 ml
Sampled : 04/25/22
Total Weight/Volume : N/A
Ordered : 04/25/22
Completed : 05/05/22 Expires: 05/05/23
Sample Method : SOP-024

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Terpenes

TESTED

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	ND	ND	
ALPHA-TERPINENE	0.002	ND	ND	
P-CYMENTHENE	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	ND	ND	
(-)-GUAJOL	0.002	ND	ND	
(-)-ALPHA-BISABOLEN	0.002	2.164	0.2164	

Terpenes LOD (%) mg/ml % Result (%)



Terpenes

TESTED

Analyzed by **2229, 1642, 1253, 7** Weight **0.1745g** Extraction date **04/29/22 16:26:01** Extracted By **1642**
Analysis Method - **SOP-067 (R0)**
Analytical Batch - **DE003330TER**
Instrument Used : **GC 6890**
Running On : **04/29/22 16:26:14**
Batch Date : **04/29/22 16:22:44**
Reviewed On - **05/04/22 09:40:58**

Dilution : **40**
Reagent : **032822.14; 042922.R08**
Consumables : **24169051; 1154419; 00291464; 304015242; 12211-108CC-108**
Terpenoid profile screening is performed by GC-FID with liquid injection via SOP-067 (R0) which can screen for 28 terpenes.

Total (%) 0.2164





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Sample : DE20428009-005
Harvest/Lot ID: O-DIS-YP5-09622-B1
Batch# : PO386
Sample Size Received : 10 ml
Sampled : 04/25/22
Total Weight/Volume : N/A
Odered : 04/25/22
Completed : 05/05/22 Expires: 05/05/23
Sample Method : SOP-024

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
OTHER PESTICIDES	0.1	ppb	100	PASS	ND
AVERMECTINS	0.0271	ppb	70	PASS	ND
AZOXYSTROBIN	0.014	ppb	20	PASS	ND
BIFENAZATE	0.011	ppb	20	PASS	ND
ETOXAZOLE	0.006	ppb	10	PASS	ND
IMAZALIL	0.064	ppb	40	PASS	ND
IMIDACLOPRID	0.007	ppb	20	PASS	ND
MALATHION	0.011	ppb	50	PASS	ND
MYCLOBUTANIL	0.013	ppb	40	PASS	ND
PERMETHRINS	0.0131	ppb	40	PASS	ND
SPIROMESIFEN	0.049	ppb	30	PASS	ND
SPIROTETRAMAT	0.03	ppb	20	PASS	ND
TEBUCONAZOLE	0.01	ppb	10	PASS	ND
SPINOSADS	0.0134	ppb	60	PASS	ND



Pesticides

PASSED

Analysis Method : -SOP-060 (R5)
Analytical Batch : -DE003295PES
Instrument Used : Sciex 6500 Qtrap - Pesticides
Running on :
Analyzed by: 2229, 1696, 2 **Weight:** 0.1832g **Extraction date:** 04/29/22 10:49:41 **Extracted by:** 1696
Reagent : 041322.R01; 041322.R03; 041922.R07; 041922.R08; 042622.R08
Consumables : 24169051; 1154419; 00291464; 040CB-040D; 304015242; 5079-525C6-525E
Reviewed On : 05/02/22 15:19:36
Batch Date : 04/22/22 08:25:01
 Dilution : 25
 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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Signature

05/05/22
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Certificate of Analysis

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License # : 405R-00011

Sample : DE20428009-005
Harvest/Lot ID: O-DIS-YP5-09622-B1
Batch# : P0386
Sampled : 04/25/22
Ordered : 04/25/22
Sample Size Received : 10 ml
Total Weight/Volume : N/A
Completed : 05/05/22 **Expires:** 05/05/23
Sample Method : SOP-024

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Residual Solvents

PASSED

Solvents	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	9.4354
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	<8.10318
ACETONE	1.708	ppm	1000	PASS	<5.12401
2-PROPANOL	1.58756	ppm	1000	PASS	6.4223
HEXANES	1.92798	ppm	60	PASS	ND



Solvents

PASSED

Analyzed by	Weight	Extraction date	Extracted By
2229, 1253, 7	0.1462g	04/30/22 09:17:22	1253

Analysis Method -SOP-032 (R18)
Analytical Batch -DE00327SOL
Instrument Used : GC 5890
Running On :
Batch Date : 04/29/22 10:19:30

Reviewed On - 05/03/22 13:50:33

Dilution : 1
Reagent :
Consumables : 24160453; 31726-2-1; 5079-525C6-525E

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 : DE20428009-005
Harvest/Lot ID: O-DIS-YP5-09622-B1
Batch# : PO386
Sample Size Received : 10 ml
Sampled : 04/25/22
Total Weight/Volume : N/A
Ordered : 04/25/22
Completed : 05/05/22 Expires: 05/05/23
Sample Method : SOP-024

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 Microbial PASSED						 Mycotoxins PASSED					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
TOTAL YEAST AND MOLD	100	cfu/g	ND	PASS	10000	AFLATOXINS		ppb			20
SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC	1	CFU	ND	PASS	1	AFLATOXIN B1	1.327	ppb	ND	PASS	20
SALMONELLA SPECIES	1	CFU	ND	PASS	1	AFLATOXIN B2	0.09	ppb	ND	PASS	20
MICROBIALS	10	cfu/g	ND	PASS	100000	AFLATOXIN G1	0.18	ppb	ND	PASS	20
						AFLATOXIN G2	0.303	ppb	ND	PASS	20
						OCHRATOXIN A+	0.049	ppb	ND	PASS	20

Analysis Method - SOP-061 (R2); SOP-062 (R2); SOP-063 (R1)
 Analytical Batch - DE003326MIC
 Instrument Used : Microbial - Full Panel
 Running on : 04/29/22 16:56:35
 Reviewed On : 05/02/22 15:27:53
 Batch Date : 04/29/22 09:44:46

Analyzed by: NA Weight: NA Extraction date: NA Extracted by: NA

Dilution : 1
 Reagent : 042922.R06; 031622.R01; 042822.R02; 022122.R11; 091421.R01; 042622.R13; 032322.R01; 041222.R14; 032222.R08; 110821.02; 030322.01; 021022.05; 022522.04; 121521.31; 110821.04; 042622.R09; 042822.R03; 043022.R03; 041122.02
 Consumables : 61596-112C6-112E; CB1J04A91005; 01859; 1; 210622-688; NT10-1212; 2; 12211-108CC-108; 00105; 0000005034; 0000004355

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.

Analysis Method -SOP-060 (R5)
 Analytical Batch -DE003296MYC | Reviewed On - 05/05/22 16:02:14
 Instrument Used : Sciex 6500 Qtrap - Mycotoxins
 Running On : | Batch Date : 04/22/22 08:25:15

Analyzed by: 2229, 1696, 2 Weight: 0.1832g Extraction date: 04/29/22 13:25:33 Extracted By: 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**

Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC	0.002	ppm	ND	PASS	0.2
CADMIUM	0.001	ppm	ND	PASS	0.2
MERCURY	0.003	ppm	ND	PASS	0.1
LEAD	0.01	ppm	ND	PASS	0.5

Analyzed by: 2229, 666, 7 Weight: 0.2118g Extraction date: 05/02/22 11:34:58 Extracted By: 666

Analysis Method -SOP-050 (R5)
 Analytical Batch -DE003331HEA | Reviewed On - 05/03/22 12:43:40
 Instrument Used : Shimadzu 2030 ICP-MS
 Running On : | Batch Date : 04/30/22 13:26:36

Dilution : 50
 Reagent : 082721.13; 042622.R03; 042622.R02; 062121.04; 071620.05; 042622.R01; 042922.R09
 Consumables : 210316-361-B; 114CB--114E; 12265-116CC-116; 234422

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).