



# Certificate of Analysis

May 24, 2021 | Hemplucid

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

hemplucid.

Sample: DE10519002-019

Harvest/Lot ID: 1310003

Seed to Sale #1A4000B00010D25000000230

Batch Date : 04/26/21

Batch#: MO33798

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

PRODUCT IMAGE SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**NOT TESTED**



Residuals  
Solvents  
**PASSED**



Filth  
**NOT TESTED**



Water Activity  
**NOT TESTED**



Moisture  
**NOT TESTED**



Homogeneity  
**NOT TESTED**



Terpenes  
**NOT TESTED**

MISC.

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 :** DE10519002-019  
**Harvest/LOT ID:** 1310003

**Batch# :** M033798  
**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
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 7	Weight 0.1315g	Extraction date 05/24/21 09:05:28	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		
051321.R15	25	041321		
051921.R06		0264898		
051321.R19		00302923		
051321.R06		040CB-040D		
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). *				



# Certificate of Analysis

**PASSED**

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

**Sample :** DE10519002-019

**Harvest/LOT ID:** 1310003

**Batch# :** M033798

**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

	<b>Residual Solvents</b>	<b>PASSED</b>
--	--------------------------	---------------

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	5.347
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	<5.124
2-PROPANOL	1.587560	ppm	1000	PASS	7.982
HEXANES	1.927980	ppm	60	PASS	ND

	<b>Residual Solvents</b>	<b>PASSED</b>
---	--------------------------	---------------

<b>Analyzed by</b> 666	<b>Weight</b> 0.1648g	<b>Extraction date</b> 05/20/21 04:05:45	<b>Extracted By</b> 666
---------------------------	--------------------------	---	----------------------------

**Analysis Method -SOP-032 (R18)**
**Analytical Batch -DE001931SOL**
**Reviewed On - 05/22/21 18:11:02**
**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 GCwhich can detect below single digit ppm concentrations. Currently we analyze for 15 Residual solvents.





# Certificate of Analysis

**PASSED**

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

**Sample : DE10519002-019**
**Harvest/LOT ID: 1310003**
**Batch# : MO33798**
**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 4 of 4

	<b>Microbials</b>	<b>PASSED</b>
--	-------------------	---------------

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	0.66g	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.

	<b>Heavy Metals</b>	<b>PASSED</b>
---	---------------------	---------------

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	ND	0.5

Analyzed by	Weight	Extraction date	Extracted By
7	0.2197g	05/20/21 01:05:43	666

**Analysis Method -SOP-050 (R5)**
**Analytical Batch -DE001930HEA | Reviewed On - 05/21/21 08:32:52**
**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).