



# Certificate of Analysis

Oct 18, 2021 | Hemplucid

License # 405R-00011

4844 N. 300 W. Ste. 202

Provo, UT, 84604, US

Sample: DE11011010-001

Harvest/Lot ID: 199-370

Seed to Sale# 1A4000B00010D25000000687

Batch Date: 05/01/21

Batch#: 199-370

Sample Size Received: 6 ml

Total Weight/Volume: N/A

Retail Product Size: 1 gram

Ordered : 10/05/21

sampled : 10/05/21

Completed: 10/18/21 Expires: 10/18/22

Sampling Method: SOP-024

**PASSED**

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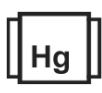
PRODUCT IMAGE



SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals  
Solvents  
**PASSED**



Filth  
**NOT TESTED**



Water Activity  
**NOT TESTED**



Moisture  
**NOT TESTED**



Homogeneity  
**NOT TESTED**



Terpenes  
**NOT TESTED**

MISC.



# Certificate of Analysis

**PASSED**

 4844 N. 300 W. Ste. 202  
 Provo, UT, 84604, US  
**Telephone:** 7192318261  
**Email:** sarah@hemplucid.com  
**License #:** 405R-00011

**Sample : DE11011010-001**
**Harvest/LOT ID: 199-370**
**Batch# : 199-370**
**Sampled : 10/05/21**
**Ordered : 10/05/21**
**Sample Size Received : 6 ml**
**Total Weight/Volume : N/A**
**Completed : 10/18/21 Expires: 10/18/22**
**Sample Method : SOP-024**


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## Pesticides

**PASSED**

Pesticides	LOD	Units	Action Level	Result
OTHER PESTICIDES	0.1	ppb	100	ND
OTHER PESTICIDES		ppb	70	ND
AVERMECTINS		ppb	20	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		ppb	40	ND
SPIROMESIFEN	0.0499	ppb	30	ND
SPIROTETRAMAT	0.0301	ppb	20	ND
SPIROSADS		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 0.1257g	Extraction date 10/14/21 03:10:06	Extracted By 7	
Analysis Method - SOP-060 (R5) ,				
Analytical Batch - DE002511PES				
Instrument Used :				
Running On :		Batch Date : 10/13/21 13:22:35		
Reagent	Dilution	Consums. ID		
092721.R12	25	887159111147201		
100621.R06		1119999		
091621.R06		00307958		
100521.R01		040CB-040D		
091021.R01		298076054		
		213685		
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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**Sample : DE11011010-001**
**Harvest/LOT ID: 199-370**
**Batch# : 199-370**
**Sampled : 10/05/21**
**Ordered : 10/05/21**
**Sample Size Received : 6 ml**
**Total Weight/Volume : N/A**
**Completed : 10/18/21 Expires: 10/18/22**
**Sample Method : SOP-024**

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

	<b>Residual Solvents</b>	<b>PASSED</b>
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Analyzed by	Weight	Extraction date	Extracted By
1253	0.1545g	10/14/21 12:10:52	666
Analysis Method -SOP-032 (R18)		Reviewed On - 10/16/21 13:06:44	
Analytical Batch -DE002513SOL			
Instrument Used : GC 5890			
Running On : 10/15/21 09:50:41			
Batch Date : 10/13/21 13:42:52			
Reagent	Dilution	Consums. ID	
100521.R04	1	018C4-018D	
100821.R02		24160453	
		31726-2-1	
		61653-121C6-121H	
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 : DE11011010-001  
Harvest/LOT ID: 199-370

Batch# : 199-370  
Sampled : 10/05/21  
Ordered : 10/05/21

Sample Size Received : 6 ml  
Total Weight/Volume : N/A  
Completed : 10/18/21 Expires: 10/18/22  
Sample Method : SOP-024

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	<b>Microbials</b>	<b>PASSED</b>		<b>Mycotoxins</b>	<b>PASSED</b>
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Analyte  
TOTAL\_YEAST\_AND\_MOLD  
SHIGA\_TOXIN\_PRODUCING\_ESCHERICHIA\_COLI\_STEC  
SALMONELLA\_SPECIES

LOD

Result

not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.

Analysis Method -SOP-061 (R2); SOP-062 (R2); SOP-063 (R1)  
Analytical Batch -DE002500MIC Batch Date : 10/12/21 09:56:42  
Instrument Used : Microbial - Full Panel  
Running On :

Analyzed by	Weight	Extraction date	Extracted By
6	0.87g	10/15/21 08:10:08	6

Reagent	Reagent	Reagent	Dilution	Consums. ID	Consums. ID
100821.R01	092821.R04	022221.45	1	16564-106C6-106H	0
100921.R02	092821.R02	100921.R01		40898-021C4-021AI	NT10-1212
100921.R03	072921.01	100621.R11		210316-361-B	20/08/30
072021.R02	050521.02	101421.R01		210622-687	01859
101121.R06	100419.03	091321.07		210622-688	00103
072621.R13	082421.02			12265-115CC-115	CH_2055133

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.

Analyte	LOD	Units	Result	Action Level
AFLATOXIN G2	0.303	ppb	ND	20
AFLATOXIN G1	0.180	ppb	ND	20
AFLATOXIN B2	0.0904	ppb	ND	20
AFLATOXIN B1	1.327	ppb	ND	20
OCHRATOXIN A+	0.0491	ppb	ND	20
AFLATOXINS		ppb	0	20

Analysis Method -SOP-060 (R5)  
Analytical Batch -DE002512MYC | Reviewed On - 10/18/21 07:55:59  
Instrument Used :  
Running On :  
Batch Date : 10/13/21 13:23:54

Analyzed by	Weight	Extraction date	Extracted By
7	0.1257g	10/14/21 03:10:01	7

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.

	<b>Heavy Metals</b>	<b>PASSED</b>
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Reagent	Dilution	Consums. ID
082721.13	50	018C4-018D
100621.R03		12294-118CC-118
100621.R01		234422
071620.05		040CB-040D
092821.R11		
100421.01		

Metal	LOD	Unit	Result	Action Level
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	0.2079g	10/12/21 02:10:58	666

Analysis Method -SOP-050 (R5)  
Analytical Batch -DE002494HEA | Reviewed On - 10/13/21 09:46:37  
Instrument Used : Shimadzu 2030 ICP-MS  
Running On : 10/12/21 17:20:37  
Batch Date : 10/11/21 08:34:05

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).