



Certificate of Analysis

Sample: **DE20325023-008**
Harvest/Lot ID: **OCO2-YP5-06922-BT9**
Batch#: 2021-705Partial-3
Seed to Sale# 1A4000B00010D25000001362
Batch Date: 03/10/22
Sample Size Received: 10 gram
Total Weight/Volume: N/A
Retail Product Size: 1 gram
ordered : 03/23/22
sampled : 03/23/22
Completed: 03/31/22
Sampling Method: SOP-024

Mar 31, 2022 | Hemplucid
License # 405R-00011
4844 N. 300 W. Ste. 202
Provo, UT, 84604, US



PASSED
Page 1 of 5

PRODUCT IMAGE	SAFETY RESULTS								MISC.	
	 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 TESTED

 **Cannabinoid** **PASSED**

	Total THC 2.979%		Total CBD 53.549%		Total Cannabinoids 59.449%
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	TOTAL 9(R/S)-THC	CBDV	CBDVA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXO-THC	CBDO	D9-THC	D8-THC	CBL	THCVA	CBG	D10-THC	CBNA	THCA	CBCA	CBLA	THC-O-ACETATE	
ND	1.241	ND	ND	53.549	ND	ND	ND	0.189	0.6	ND	2.379	ND	<0.002	<0.002	14.91	ND	<0.002	ND	ND	ND	ND	ND	ND
LOD	0.01	0.002	0.001	0.002	2.8E-5	1.1E-5	0.002	0.001	1.0E-6	0.000237	0.0148	2.2E-5	0.002	0	0	0.002	0.0129	0	1.0E-5	0.002	0.001	0.003	0.003
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by 1843	Weight 0.1841g	Extraction date : NA	Extracted By : NA
Analysis Method - SOP-020 (R15)		Reviewed On - 03/30/22 09:47:20	
Analytical Batch - DE003188POT		Batch Date : 03/28/22 17:11:32	
Instrument Used : Agilent 1100 "Falcon" Running On : 03/28/22 17:31:06			

Dilution : 200
Reagent : 022222.R03; 021422.R16; 032422.R07; 032522.R04; 032122.01
Consumables : 24169051; 1154419; 00291464; R1KB34782; 298076054; 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
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405-00008
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Signature

03/31/22
Signed On



Certificate of Analysis

PASSED

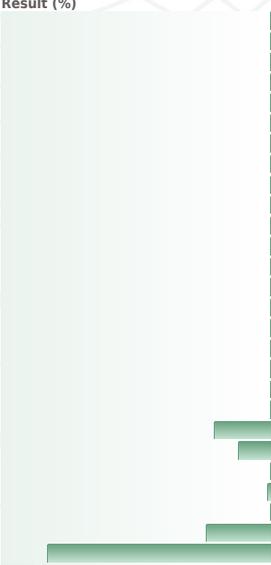
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Sample : DE20325023-008
Harvest/Lot ID: OCO2-YP5-06922-BT9
Batch# : 2021-705Partial-3
Sampled : 03/23/22
Odered : 03/23/22

Sample Size Received : 10 gram
Total Weight/Volume : N/A
Completed : 03/31/22 Expires: 03/31/23
Sample Method : SOP-024

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Terpenes			TESTED				
Terpenes	LOD(%) mg/g	%	Result (%)	Terpenes	LOD(%) mg/g	%	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-CYMENE	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	<0.2	<0.02				
(-)-ISOPULEGOL	0.002	ND	ND				
BORNEOL	0.002	<0.4	<0.04				
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	4.33	0.433				
HUMULENE	0.002	2.52	0.252				
BISABOLENE	0.002	ND	ND				
NEROLIDOL	0.002	0.35	0.035				
(-)-CARYOPHYLLENE OXIDE	0.002	ND	ND				
(-)-GUAIOL	0.002	5.01	0.501				
(-)-ALPHA-BISABOLOL	0.002	17.1	1.71				
Total (%)			2.931				

Terpenes TESTED

Analyzed by: 1843
Weight: 0.1841g
Extraction date: 03/28/22 03:03:57
Extracted By: 1542

Analysis Method - SOP-067 (R0)
Analytical Batch - DE003187TER
Instrument Used : GC 6890
Running On : 03/28/22 17:08:12
Batch Date : 03/28/22 15:08:49

Reviewed On - 03/29/22 11:44:44

Dilution : 40
Reagent :
Consumables : 24169051; HWK-TP3ML; ASO-8408; 00291464; 298076054
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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License # : 405R-00011

Sample : DE20325023-008
Harvest/Lot ID : OCO2-YP5-06922-BT9
Batch# : 2021-705Partial-3 **Sample Size Received : 10 gram**
Sampled : 03/23/22 **Total Weight/Volume : N/A**
Ordered : 03/23/22 **Completed : 03/31/22 Expires: 03/31/23**
 Sample Method : SOP-024

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Pesticides						PASSED						
Pesticides	LOD	Units	Action Level	Pass/Fail	Result	Pesticides	LOD	Units	Action Level	Pass/Fail	Result	
OTHER PESTICIDES	0.1	ppb	100	PASS	ND	 Pesticides PASSED						
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							

Analyzed by 1843 **Weight** 0.1815g **Extraction date** 03/28/22 04:03:23 **Extracted By** 1696
Analysis Method - SOP-060 (R5),
Analytical Batch : DE003179PES **Reviewed On** : 03/30/22 11:28:58
Instrument Used : Sciex 6500 Qtrap - Pesticides **Batch Date** : 03/25/22 15:47:20
Running On :
Dilution : 25
Reagent : 032822.R08; 032822.R07; 031522.R09; 032122.R06; 021622.R11
Consumables : 24169051; ASO-8408; 00291464; 304015242; 16564-106C6-106H
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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 License # : 405R-00011

Sample : DE20325023-008
Harvest/Lot ID : OCO2-YP5-06922-BT9
Batch# : 2021-705Partial-3 **Sample Size Received : 10 gram**
Sampled : 03/23/22 **Total Weight/Volume : N/A**
Ordered : 03/23/22 **Completed : 03/31/22 Expires: 03/31/23**
 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	7.294
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	13.893
ACETONE	1.708	ppm	1000	PASS	7.51
2-PROPANOL	1.58756	ppm	1000	PASS	ND
HEXANES	1.92798	ppm	60	PASS	ND



Residual Solvents

PASSED

Analyzed by	Weight	Extraction date	Extracted By
1843	0.1555g	03/30/22 12:03:36	666

Analysis Method -SOP-032 (R18)
Analytical Batch -DE003191SOL
Instrument Used : GC 5890
Running On :
Batch Date : 03/29/22 10:57:51

Reviewed On - 03/31/22 14:25:42

Dilution : 1
Reagent : 030422.R01; 032422.R08
Consumables : MKCN2192; 24160453; 31726-2-1; 923C4-923AK; 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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Harvest/Lot ID: OCO2-YP5-06922-BT9
Batch# : 2021-705Partial-3
Sample Size Received : 10 gram
Total Weight/Volume : N/A
Sampled : 03/23/22
Completed : 03/31/22 Expires: 03/31/23
Odered : 03/23/22
Sample Method : SOP-024

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	Microbials	PASSED
	Mycotoxins	PASSED

Analyte	LOD	Result	Pass / Fail
TOTAL YEAST AND MOLD	100	ND	PASS
SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC	1	ND	PASS
SALMONELLA SPECIES	1	ND	PASS
MICROBIALS	10	ND	PASS

Analysis Method -SOP-061 (R2); SOP-062 (R2); SOP-063 (R1)
Analytical Batch -DE003183MIC Batch Date : 03/28/22 10:16:33
Instrument Used : Microbial - Full Panel
Running On : 03/30/22 16:32:49

Analyzed by	Weight	Extraction date	Extracted By
1843	0.97g	03/30/22 04:03:41	5

Dilution : 1

Reagent : 032822.R09; 020122.R10; 030822.R09; 031022.R07; 032822.R10; 031622.R01; 022122.R11; 032322.R01; 021022.01; 110821.04; 110821.02; 030322.01; 032322.R07; 032822.R16; 033022.R11; 032822.04

Consumables : 16564-106C6-106H; 40898-021C4-021AI; 12211-108CC-108; 210622-688; CBJA91005; 1; NT10-1212; 20/08/30; 00105; 01860; CH_2144311; 2

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	Pass / Fail	Action Level
AFLATOXINS		ppb			20
AFLATOXIN B1	1.327	ppb	ND	PASS	20
AFLATOXIN B2	0.09	ppb	ND	PASS	20
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-060 (R5)
Analytical Batch -DE003180MYC | Reviewed On - 03/30/22 11:34:16
Instrument Used : Sciex 6500 Qtrap - Mycotoxins
Running On : | Batch Date : 03/25/22 15:47:28

Analyzed by	Weight	Extraction date	Extracted By
1843	0.1815g	03/28/22 04:03:56	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
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Metal	LOD	Unit	Result	Pass / Fail	Action Level
ARSENIC	0.002	ppm	0.006	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	Weight	Extraction date	Extracted By
1843	0.224g	03/28/22 04:03:06	666

Analysis Method -SOP-050 (R5)
Analytical Batch -DE003182HEA | Reviewed On - 03/30/22 10:43:55
Instrument Used : Shimadzu 2030 ICP-MS
Running On : 03/29/22 16:03:18 | Batch Date : 03/28/22 08:03:10

Dilution : 50

Reagent : 082721.13; 062121.04; 032222.R02; 032122.01; 032822.R02; 032822.R01

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).