

# Certificate of Analysis

Sample: DE21014013-001  
 Harvest/Lot ID: 410112  
 Batch#: CO HEMP/7500 - 410112  
 Seed to Sale# 1A4000B00010D25000002142  
 Batch Date: 10/11/22  
 Sample Size Received: 50 ml  
 Total Batch Size: N/A  
 Retail Product Size: 28.35 gram  
 Ordered : 10/11/22  
 Sampled : 10/11/22  
 Completed: 10/21/22  
 Sampling Method: N/A

**PASSED**

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Oct 21, 2022 | Resinosa LLC

License # 405R-00011

614 Cliff Street  
Silver Cliff, CO, 81252, US

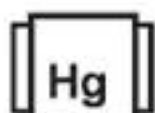
PRODUCT IMAGE



SAFETY RESULTS



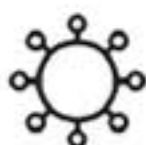
Pesticides  
**PASSED**



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  
NOT TESTED

MISC.



**Cannabinoid**

**PASSED**



Total THC  
**0.0771%**



Total CBD  
**2.1399%**



Total Cannabinoids  
**2.4384%**

	TOTAL THC (S-HHC)	CBDV	CBDA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXO-THC	CBDG	DB-THC	DB-THC	CBL	THCVA	CBG	DB-THC	CBHA	THCA	CBGA	CBLA	THC-D-ACE TATE
%	ND	0.0426	ND	0.0388	2.1399	ND	ND	ND	<0.0041	0.0236	ND	0.0771	ND	ND	ND	0.1164	ND	ND	ND	ND	ND	ND
mg/ml	ND	0.426	ND	0.388	21.399	ND	ND	ND	<0.041	0.236	ND	0.771	ND	ND	ND	1.164	ND	ND	ND	ND	ND	ND
LOD	0.01	0.0015	0.001	0.0021	0.0014	0.0014	0.0012	0.0003	0.0013	0.0025	0.0148	0.0012	0.0023	0.0052	0.0014	0.001	0.0021	0.0018	0.0019	0.0001	0.001	0.0004
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 2229, 1642, 8, 7      Weight: 0.8439g      Extraction date: 10/17/22 15:43:40      Extracted by: 1642

Analysis Method : SOP-020 (R15)      Analytical Batch : DE004185POT      Reviewed On : 10/21/22 15:20:15  
 Instrument Used : Agilent 1100 "Falcon"      Batch Date : 10/17/22 10:50:17  
 Running on : 10/17/22 18:00:32

Dilution : 41      Reagent : 080522.07; 092122.R21; 093022.R02; 101322.R06; 100622.R10  
 Consumables : 426852; HWK-TP3ML; 1239135; 00322250; 0000164728; 309011271; 12253-111CC-111; 41141-130C4-1300; 5079-525C6-525E  
 Pipette : N/A

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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Email: jared@resinosa.com  
License #: 405R-00011

Sample : DE21014013-001  
Harvest/Lot ID: 410112  
Batch#: CO HEMP/7500 - 410112  
Sampled : 10/11/22  
Ordered : 10/11/22

Sample Size Received : 50 ml  
Total Batch Size : N/A  
Completed : 10/21/22 Expires: 10/21/23  
Sample Method : SOP Client Method

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## Pesticides

**PASSED**

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
AVERMECTINS	0.0139	ppb	70	PASS	ND	FENHEXAMID	0	ppb	125	PASS	ND
AZDXYSTROBIN	0.1122	ppb	20	PASS	ND	FENOXYCARB	0.4316	ppb	20	PASS	ND
BIFENAZATE	0.3285	ppb	20	PASS	ND	FENPYROXIMATE	0.3098	ppb	20	PASS	ND
ETOXAZOLE	0.1839	ppb	10	PASS	ND	FENSULFOTHION	0.3684	ppb	10	PASS	ND
IMAZALIL	0.4019	ppb	40	PASS	ND	FENVALERATE	0.5416	ppb	100	PASS	ND
IMIDACLOPRID	0.265	ppb	20	PASS	ND	PIPRONIL	0.2707	ppb	10	PASS	ND
MALATHION	0.3036	ppb	50	PASS	ND	FLONICAMID	0.3493	ppb	25	PASS	ND
MYCLOBUTANIL	0.4417	ppb	40	PASS	ND	FLUDIOXONIL	0.2632	ppb	10	PASS	ND
PERMETHRINS	0.2109	ppb	40	PASS	ND	FLUOPYRAM	0.3817	ppb	10	PASS	ND
SPINOSADS	0.0545	ppb	60	PASS	ND	HEXYTHIAZOX	0.1977	ppb	10	PASS	ND
SPIROMESIFEN	0.2912	ppb	30	PASS	ND	KRESOXIM-METHYL	0.5115	ppb	150	PASS	ND
SPIROTETRAMAT	0.4266	ppb	20	PASS	ND	CYHALOTHRIN-LAMBDA	0	ppb	250	PASS	ND
TEBUCONAZOLE	0.3302	ppb	10	PASS	ND	METALAXYL	0.2756	ppb	10	PASS	ND
ACEPHATE	0.2755	ppb	50	PASS	ND	METHIOCARB	2.3105	ppb	10	PASS	ND
ACEQUIMOCYL	0.2707	ppb	30	PASS	ND	METHOMYL	0.379	ppb	25	PASS	ND
ACETAMIPRID	0.225	ppb	50	PASS	ND	METHOPRENE	0.4892	ppb	2000	PASS	ND
ALDICARB	0.4206	ppb	500	PASS	ND	MEVINPHOS	0.0432	ppb	25	PASS	ND
ALLETHRIN	0.3601	ppb	100	PASS	ND	MKG-264	0.1438	ppb	50	PASS	ND
ATRAZINE	0	ppb	25	PASS	ND	NALED	0.4305	ppb	100	PASS	ND
AZADIRACTIN	1.1979	ppb	500	PASS	ND	NOVALURON	0.2164	ppb	25	PASS	ND
BENZOVINDIFLUPYR	0.3651	ppb	10	PASS	ND	OXAMYL	0.376	ppb	1500	PASS	ND
BIFENTHRIN	0.3469	ppb	1000	PASS	ND	PACLOBUTRAZOL	1.4227	ppb	10	PASS	ND
BOSCALID	0.3057	ppb	10	PASS	ND	PHENOTHRIIN	0.306	ppb	50	PASS	ND
BUPROFEZIN	0.3	ppb	20	PASS	ND	PHOSMET	0.2483	ppb	20	PASS	ND
CARBARYL	0.3165	ppb	25	PASS	ND	PIPERONYL BUTOXIDE	0.3284	ppb	1250	PASS	ND
CARBOFURAN	0.3317	ppb	10	PASS	ND	PIRIMICARB	0.3458	ppb	10	PASS	ND
CHLORANTRANILIPROLE	0.4629	ppb	20	PASS	ND	PRALLETHRIN	0.6623	ppb	50	PASS	ND
CHLORPYRIFOS	0.2889	ppb	500	PASS	ND	PROPICONAZOLE	0.5658	ppb	10	PASS	ND
CLOFENTEZIME	0.3505	ppb	10	PASS	ND	PROPOXUR	0.7835	ppb	10	PASS	ND
CLOTHIANIDIN	0.537	ppb	25	PASS	ND	PRYACLOSTROBIN	0.2379	ppb	10	PASS	ND
COUMAPHOS	0.2529	ppb	10	PASS	ND	PYRETHRINS	0.181	ppb	50	PASS	ND
CYANTRANILIPROLE	0.5411	ppb	10	PASS	ND	PYRIDABEN	0.298	ppb	20	PASS	ND
CYFLUTHRIN	0.6072	ppb	200	PASS	ND	PYRIPROXYFEN	0	ppb	10	PASS	ND
CYPERMETHRIN	0.3065	ppb	300	PASS	ND	RESMETHRIN	0.2008	ppb	50	PASS	ND
CYPRODIMIL	0.4377	ppb	10	PASS	ND	SPINETORAM	0.1177	ppb	10	PASS	ND
DAMINOZIDE	4.9907	ppb	100	PASS	ND	SPIRODICLOFEN	0.183	ppb	250	PASS	ND
DELTA METHRIN	0.8431	ppb	500	PASS	ND	SPIROXAMINE	0.3745	ppb	100	PASS	ND
DIAZINON	0.2055	ppb	20	PASS	ND	TEBUFENOZIDE	0.2154	ppb	10	PASS	ND
DICHLORVOS	0.9888	ppb	50	PASS	ND	TEFLUBENZURON	0.4437	ppb	25	PASS	ND
DIMETHOATE	0.2585	ppb	10	PASS	ND	TETRACHLORVINPHOS	0.133	ppb	10	PASS	ND
DIMETHOMORPH	0.1014	ppb	50	PASS	ND	TETRAMETHRIN	0.238	ppb	100	PASS	ND
DINOTEFURAN	0.4004	ppb	50	PASS	ND	THIABENDAZOLE	0	ppb	20	PASS	ND
DIURON	0	ppb	125	PASS	ND	THIACLOPRID	0.3999	ppb	10	PASS	ND
DODEMORPH	0.2713	ppb	50	PASS	ND	THIAMETHOXAM	0.3232	ppb	10	PASS	ND
ETHOPROPHOS	0.4738	ppb	10	PASS	ND	THIOPHANATE-METHYL	1.2413	ppb	50	PASS	ND
ETOFENPROX	0.4114	ppb	50	PASS	ND	TRIFLOXYSTROBIN	0.1938	ppb	10	PASS	ND

Analyzed by: 2229, 2318, 1253, 7      Weight: 0.2037g      Extraction date: 10/15/22 16:35:15      Extracted by: 2318  
 Analysis Method : SOP-060 (R5)  
 Analytical Batch : DE004183PES  
 Instrument Used : Sciex 7500 Qtrap "Hades" - Pesticides  
 Running on : 10/15/22 16:38:05  
 Dilution : 20  
 Reagent : 082022.R03; 091422.R17; 082022.R04; 073022.R02  
 Consumables : 00322643; 2083592; 00322250; F2300-19; 12551-229CD-229; 5079-525C6-525E  
 Pipette : N/A  
 Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides via SOP-060 (R5).

Reviewed On : 10/19/22 12:11:26  
 Batch Date : 10/15/22 14:05:28

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Sample : DE21014013-001  
Harvest/Lot ID: 410112  
Batch# : CO HEMP/7500 -  
410112  
Sampled : 10/11/22  
Ordered : 10/11/22

Sample Size Received : 50 ml  
Total Batch Size : N/A  
Completed : 10/21/22 Expires: 10/21/23  
Sample Method : SOP Client Method

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## Residual Solvents

**PASSED**

Solvents	LOD	Units	Action Level	Pass/Fail	Result
2-PROPANOL	1.5875	ppm	1000	PASS	ND
ACETONE	1.708	ppm	1000	PASS	<5.12401
BENZENE	0.4749	ppm	2	PASS	ND
BUTANES	5.468	ppm	1000	PASS	ND
ETHANOL	2.701	ppm	1000000	PASS	17.6957
ETHYL ACETATE	2.7921	ppm	1000	PASS	ND
HEPTANE	3.2594	ppm	1000	PASS	ND
HEXANES	1.9279	ppm	60	PASS	ND
METHANOL	1.2786	ppm	600	PASS	ND
PENTANES	6.671	ppm	1000	PASS	ND
PROPANE	4.2142	ppm	1000	PASS	ND
TOLUENE	2.1088	ppm	180	PASS	ND
XYLENES	7.115	ppm	430	PASS	ND

Analyzed by:  
N/A

Weight:  
N/A

Extraction date:  
N/A

Extracted by:  
N/A

Analysis Method : SOP-032 (R18)  
Analytical Batch : DE004188SOL  
Instrument Used : GC 5890  
Running on : 10/18/22 12:44:18

Reviewed On : 10/19/22 14:55:15  
Batch Date : 10/17/22 11:25:43

Dilution : 1  
Reagent : 093022.R03; 100722.R09  
Consumables : 210316-361-B; C4020-20NL; 33120320183106; 61653-121C6-121H  
Pipette : N/A

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 : DE21014013-001  
Harvest/Lot ID: 410112  
Batch#: CO HEMP/7500 - 410112  
Sampled : 10/11/22  
Ordered : 10/11/22

Sample Size Received : 50 ml  
Total Batch Size : N/A  
Completed : 10/21/22 Expires: 10/21/23  
Sample Method : SOP Client Method

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	<h2>Microbial</h2>	<h2>PASSED</h2>		<h2>Mycotoxins</h2>	<h2>PASSED</h2>
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
TOTAL YEAST AND MOLD	100	cfu/g	ND	PASS	10000
SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC	1	CFU	ND	PASS	1
SALMONELLA SPECIES	1	CFU	ND	PASS	1
TOTAL AEROBIC	10	cfu/g	ND	PASS	10000
TOTAL COLIFORM	10	cfu/g	ND	PASS	100

Analyzed by: 2229, 2265, 5, 7, 1473      Weight: 2.46g      Extraction date: 10/21/22 13:43:59      Extracted by: 1473  
 Analysis Method : SOP.T.40.043  
 Analytical Batch : DE004194MIC      Reviewed On : 10/21/22 15:09:18  
 Instrument Used : Microbial - Full Panel      Batch Date : 10/18/22 09:01:05  
 Running on : 10/18/22 19:05:07

Dilution : N/A  
 Reagent : 101222.R11; 101222.R12; 092622.R14; 101222.R14; 101722.R09; 081822.R04; 101722.R10; 101722.R06; 101722.R05; 101822.R07; 082322.01; 101122.01; 081022.20; 080422.01; 030322.06; 120921.03; 060222.11; 040822.02; 040820.15; 101422.R15; 101722.R08; 092822.06  
 Consumables : 01859; 1; 61653-121C6-121H; 211108-071-8; NT10-1212; 0000005302; 0000003320; CH\_2149141; 00107; 2; 12253-111CC-111; 3; 4  
 Pipette : N/A

Analyte	LOD	Units	Result	Pass / Fail	Action Level
AFLATOXINS	0.09	ppb	ND	PASS	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

Analyzed by: 2229, 2318, 1253, 7      Weight: 0.1597g      Extraction date: 10/15/22 16:36:46      Extracted by: 2318  
 Analysis Method : SOP-060 (R5)  
 Analytical Batch : DE004182MYC      Reviewed On : 10/18/22 15:12:50  
 Instrument Used : Sciex 6500 Qtrap "Felicia" - Mycotoxins      Batch Date : 10/15/22 11:18:37  
 Running on : 10/15/22 16:37:37

Dilution : 25  
 Reagent : 100822.R02; 101422.R01; 093022.R07; 101122.R13; 101422.R14; 100122.R03; 101522.R03  
 Consumables : 00322643; 2083592; 00322250; 12537223CE223C; F2300-19; 5079-525C6-525E  
 Pipette : N/A

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.

	<h2>Heavy Metals</h2>	<h2>PASSED</h2>
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Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC	0.002	ppm	ND	PASS	1.5
CADMIUM	0.001	ppm	ND	PASS	0.5
MERCURY	0.003	ppm	ND	PASS	1
LEAD	0.01	ppm	<0.03	PASS	1

Analyzed by: 2229, 666, 7, 1253      Weight: 0.2179g      Extraction date: 10/17/22 11:17:42      Extracted by: 666  
 Analysis Method : SOP-050 (R5)  
 Analytical Batch : DE004184HEA      Reviewed On : 10/18/22 11:46:25  
 Instrument Used : Shimadzu 2030 ICP-MS "Alice"      Batch Date : 10/17/22 08:57:10  
 Running on : 10/17/22 22:22:54

Dilution : 50  
 Reagent : 082721.13; 101222.R02; 101222.R01; 100422.02; 101322.R01  
 Consumables : 210316-361-8; 12537223CE223C; 12551-229CD-229; 234422  
 Pipette : N/A

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).