Certificate of Analysis

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Treadwell Farms

190 Mary Street, Umatilla, FL 32784
(352) 771-2318

Keylime Gummy

Laboratory ID:	KJ23003-01	**Sample Date:**	10/23/26
Sample Matrix:	Gummy	**Received:**	10/23/26 16:11
Batch Unit Size:	5 g	**Completed:**	10/28/26 12:42
Label Claim (mg):	THC: -- | CBD: -- | CBN: --	**Description:**	1:1 CBD/THC

POTENCY SUMMARY

Total CBD	Total THC	Total Cannabinoids
0.214% (10.7 mg)	**0.220% (11.0 mg)**	**0.432% (21.6 mg)**

Analyte	%	mg
delta 9-THC	0.220	11.0
CBD	0.212	10.6
CBC	<LOQ	<LOQ
CBDa	<LOQ	<LOQ
CBDV	<LOQ	<LOQ
CBG	<LOQ	<LOQ
CBGa	<LOQ	<LOQ
CBN	<LOQ	<LOQ
delta 8-THC	<LOQ	<LOQ
THCa	<LOQ	<LOQ
THCV	<LOQ	<LOQ

TERPENES SUMMARY (Top Ten)

Total Terpenes
0.0261%

Analyte	%
alpha-Bisabolol	0.00489
Guaiol	0.00450
d-Limonene	0.00408
Caryophyllene oxide	0.00333
alpha-Terpineol	0.00254
Linalool	0.00178
beta-Caryophyllene	0.00174
alpha-Humulene	0.00112
beta-Myrcene	0.00101
Terpinolene	0.000577

ANALYSIS SUMMARY

Potency (0.3%)	PASS	**Homogeneity**	Not Tested	**Terpenes**	Completed
Residual Solvents	PASS	**% Moisture**	Not Tested	**Water Activity**	Not Tested
Foreign Matter	PASS	**Pesticides**	PASS	**Mycotoxins**	PASS
Heavy Metals	PASS	**Microbials**	PASS	**Label Claim (± 10%)**	Not Applicable

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LOQ = *Limit of Quantification* **ND** = *Non-Detect* **RPD** = *Relative Percent Difference* **MDL** = *Method Detection Limit* **PQL** = *Practical Quantitation Limit*

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Richard Dillen
Laboratory Director

Accreditation #102020

Keylime Gummy

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Potency by HPLC

Batch: B6J2311 **SOP:** MCS-SOP-O02 **Prep By:** 1005 **Prep On:** 10/23/26 17:35 **Ana. By:** 1005 **Ana. On:** 10/26/26 16:54 **Initial (g):** 1.0024 **Final (g):** 10

Analyte (%)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (%)	Result	Diln	Reg. Limit	MDL	PQL
Total THC	0.220	10	0.3	0.00319	0.0468	Total CBD	0.214	10		0.00489	0.0468
delta 8-THC	ND	10		0.00160	0.0249	delta 9-THC	0.220	10	0.3	0.00170	0.0249
THCa	ND	10		0.00170	0.0249	THCV	ND	10		0.00359	0.0249
CBD	0.212	10		0.00329	0.0249	CBDa	ND	10		0.00200	0.0249
CBDV	ND	10		0.00219	0.0249	CBC	ND	10		0.00748	0.0249
CBG	ND	10		0.00160	0.0249	CBGa	ND	10		0.00160	0.0249
CBN	ND	10		0.00190	0.0249						

Terpene Screen by GC/MS

Batch: B6J2316 **SOP:** MCS-SOP-O04 **Prep By:** 1005 **Prep On:** 10/23/26 17:35 **Ana. By:** 1062 **Ana. On:** 10/27/26 02:48 **Initial (g):** 1.0024 **Final (g):** 10

Analyte (%)	Result	Diln	MDL	PQL	Analyte (%)	Result	Diln	MDL	PQL
alpha-Pinene	ND	1	0.000499	0.000998	Camphene	ND	1	0.000499	0.000998
beta-Pinene	ND	1	0.000499	0.000998	3-Carene	ND	1	0.000499	0.000998
alpha-Terpinene	ND	1	0.000499	0.000998	Camphor	ND	1	0.000499	0.000998
d-Limonene	0.00408	1	0.000499	0.000998	1,8-Cineole (Eucalyptol)	ND	1	0.000499	0.000998
gamma-Terpinene	0.000549	1	0.000499	0.000998	Terpinolene	0.000577	1	0.000499	0.000998
Isopulegol	ND	1	0.000499	0.000998	Linalool	0.00178	1	0.000499	0.000998
Geraniol	ND	1	0.000499	0.000998	beta-Caryophyllene	0.00174	1	0.000499	0.000998
alpha-Humulene	0.00112	1	0.000499	0.000998	cis-Nerolidol	ND	1	0.000499	0.000998
Caryophyllene oxide	0.00333	1	0.000499	0.000998	(+/-)-Fenchone	ND	1	0.000499	0.000998
(+/-)-Borneol	ND	1	0.000499	0.000998	(+)-Pulegone	ND	1	0.000499	0.000998
Cedrol	ND	1	0.000499	0.000998	Geranyl Acetate	ND	1	0.000499	0.000998
alpha-Bisabolol	0.00489	1	0.000499	0.000998	alpha-Phellandrene	ND	1	0.000499	0.000998
alpha-Terpineol	0.00254	1	0.000499	0.000998	Nerol	ND	1	0.000499	0.000998
Sabinene	ND	1	0.000499	0.000998	Valencene	ND	1	0.000499	0.000998
beta-Myrcene	0.00101	1	0.000499	0.000998	Sabinene Hydrate	ND	1	0.000499	0.000998
alpha-Cedrene	ND	1	0.000499	0.000998	Fenchyl Alcohol	ND	1	0.000499	0.000998
Guaiol	0.00450	1	0.000499	0.000998	trans-Nerolidol	ND	1	0.000499	0.000998
Isoborneol	ND	1	0.000499	0.000998	Ocimene, Total	ND	1	0.000499	0.000998
gamma-Terpineol	ND	1	0.000499	0.000998	Menthol	ND	1	0.000499	0.000998

Residual Solvents by GC/MS-HS

Batch: B6J2347 **SOP:** MCS-SOP-O03 **Prep By:** 1005 **Prep On:** 10/24/26 17:10 **Ana. By:** 1005 **Ana. On:** 10/24/26 20:28 **Initial (g):** 0.0203 **Final (g):** 20

Analyte (mg/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (mg/kg)	Result	Diln	Reg. Limit	MDL	PQL
Propane	ND	1	5000	98.5	246	n-Butane	ND	1	5000	98.5	246
Methanol	ND	1	250	24.6	98.5	Ethylene Oxide	ND	1	5	0.493	2.46
Ethanol	1710	1	5000	98.5	246	Pentane	ND	1	750	73.9	246
Ethyl Ether	ND	1	500	49.3	246	Acetone	ND	1	750	73.9	246
1,1-Dichloroethylene	ND	1	8	0.302	1.48	Isopropyl Alcohol (2-Propanol)	ND	1	500	49.3	246
Acetonitrile	ND	1	60	5.91	29.6	Methylene Chloride	ND	1	125	12.3	49.3
Hexane	ND	1	250	24.6	123	Ethyl Acetate	ND	1	400	39.4	197
Chloroform	ND	1	2	0.197	0.985	1,2-Dichloroethane	ND	1	2	0.177	0.985
Benzene	ND	1	1	0.0565	0.0985	Heptane	ND	1	5000	98.5	246
Trichloroethene (Trichloroethylene)	ND	1	25	0.265	1.48	Toluene	ND	1	150	14.8	73.9
m/p-Xylenes	ND	1	100	7.39	29.6	o-xylene	ND	1	50	7.39	29.6

Keylime Gummy

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Foreign Matter

Batch: B6J2351 **SOP:** MCS-SOP-G01 **Prep By:** 1048 **Prep On:** 10/23/26 17:35 **Ana. By:** 1048 **Ana. On:** 10/23/26 17:40 **Initial (g):** 1 **Final (g):** 1

Analyte (P/A)	Result	Diln	Reg. Limit	MDL	PQL
Foreign Matter	Absent	1	1	1.00	1.00

Pesticides by LC-QQQ

Batch: B6J2313 **SOP:** MCS-SOP-O01b **Prep By:** 1005 **Prep On:** 10/23/26 15:27 **Ana. By:** 1067 **Ana. On:** 10/26/26 21:50 **Initial (g):** 1.0037 **Final (g):** 25

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Abamectin, Total	ND	10	300	12.2	49.8	Acephate	ND	10	3000	9.75	49.8
Acequinocyl	ND	10	2000	11.6	49.8	Acetamiprid	ND	10	3000	15.1	49.8
Aldicarb	ND	10	100	12.8	49.8	Azoxystrobin	ND	10	3000	3.25	24.9
Bifenazate	ND	10	3000	3.66	49.8	Bifenthrin	ND	10	500	9.40	49.8
Boscalid	ND	10	3000	18.2	49.8	Carbaryl	ND	10	500	7.20	49.8
Carbofuran	ND	10	100	2.28	12.5	Chlorantraniliprole	ND	10	3000	5.09	125
Chlormequat chloride	ND	10	3000	9.33	49.8	Chlorpyrifos	ND	10	100	4.41	24.9
Clofentezine	ND	10	500	14.8	49.8	Coumaphos	ND	10	100	4.48	24.9
Cyfluthrin	ND	10	1000	26.6	199	Cypermethrin	ND	10	1000	11.3	125
Daminozide	ND	10	100	6.30	49.8	Diazinon	ND	10	200	3.18	24.9
Dichlorvos	ND	10	100	5.77	49.8	Dimethoate	ND	10	100	1.28	12.5
Dimethomorph, Total	ND	10	3000	2.49	49.8	Ethoprophos	ND	10	100	2.36	49.8
Etofenprox	ND	10	100	12.7	49.8	Etoxazole	ND	10	1500	15.3	49.8
Fenhexamid	ND	10	3000	5.40	49.8	Fenoxycarb	ND	10	100	4.67	24.9
Fenpyroximate	ND	10	2000	5.51	49.8	Fipronil	ND	10	100	14.2	49.8
Flonicamid	ND	10	2000	6.89	49.8	Fludioxonil	ND	10	3000	11.0	49.8
Hexythiazox	ND	10	2000	5.84	49.8	Imazalil	ND	10	100	9.57	49.8
Imidacloprid	ND	10	3000	17.2	99.6	Kresoxim-Methyl	ND	10	1000	7.59	49.8
Malathion	ND	10	2000	10.7	49.8	Metalaxyl	ND	10	3000	4.46	49.8
Methiocarb	ND	10	100	11.8	49.8	Methomyl	ND	10	100	4.41	24.9
Mevinphos	ND	10	100	9.25	49.8	Myclobutanil	ND	10	3000	16.3	49.8
Dibrom (Naled)	ND	10	500	6.01	49.8	Oxamyl	ND	10	200	2.33	12.5
Paclobutrazol	ND	10	100	12.2	49.8	Permethrin	ND	10	1000	16.3	49.8
Phosmet	ND	10	200	9.14	49.8	Piperonyl butoxide	ND	10	3000	5.80	49.8
Prallethrin	ND	10	400	5.50	49.8	Propiconazole (Tilt)	ND	10	1000	17.9	49.8
Baygon (Propoxur)	ND	10	100	5.43	49.8	Pyrethrins, Total	ND	10	1000	10.9	49.8
Pyridaben	ND	10	3000	6.23	49.8	Spinetoram, Total	ND	10	3000	11.7	49.8
Spiromesifen	ND	10	3000	2.23	12.5	Spirotetramat	ND	10	3000	6.65	49.8
Spiroxamine	ND	10	100	6.79	49.8	Tebuconazole	ND	10	1000	18.9	49.8
Thiacloprid	ND	10	100	14.4	49.8	Thiamethoxam	ND	10	1000	15.8	99.6
Trifloxystrobin	ND	10	3000	6.02	49.8	Spinosad, Total	ND	10	3000	4.42	36.1

Pesticides by GC-QQQ

Batch: B6J2313 **SOP:** MCS-SOP-O01a **Prep By:** 1005 **Prep On:** 10/23/26 15:27 **Ana. By:** 1005 **Ana. On:** 10/26/26 18:51 **Initial (g):** 1.0037 **Final (g):** 25

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Pentachloronitrobenzene (quintozene)	ND	5	200	34.1	74.7	Methyl parathion	ND	5	100	17.0	49.8
Chlordane, Total	ND	5	100	38.9	49.8	Chlorfenapyr	ND	5	100	43.4	49.8

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Mycotoxins by LC-QQQ

Batch: B6J2313 **SOP:** MCS-SOP-O01b
Prep By: 1005 **Prep On:** 10/23/26 15:27
Ana. By: 1067 **Ana. On:** 10/27/26 02:04
Initial (g): 1.0037 **Final (g):** 25

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Aflatoxin, Total	ND	10	20	9.96	9.96	Ochratoxin A	ND	10	20	2.51	9.96
Aflatoxin G2	ND	10	20	7.44	9.96	Aflatoxin G1	ND	10	20	3.23	9.96
Aflatoxin B2	ND	10	20	3.87	9.96	Aflatoxin B1	ND	10	20	2.93	9.96

Total Metals by ICP-MS

Batch: B6J2314 **SOP:** MCS-SOP-I01
Prep By: 1005 **Prep On:** 10/24/26 10:20
Ana. By: 1005 **Ana. On:** 10/26/26 19:01
Initial (g): 0.2554 **Final (g):** 25

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Arsenic	ND	1	1500	19.6	97.9	Cadmium	ND	1	500	19.6	97.9
Lead	ND	1	500	48.9	245	Mercury	ND	1	3000	19.6	48.9

Microbials by qPCR

Batch: B6J2326 **SOP:** MCS-SOP-M01
Prep By: 1053 **Prep On:** 10/24/26 13:10
Ana. By: 1053 **Ana. On:** 10/25/26 18:40
Initial (g): 1.0041 **Final (g):** 2.4

Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL
Aspergillus flavus	Absent	1	1	1.00	1.00	Aspergillus fumigatus	Absent	1	1	1.00	1.00
Aspergillus niger	Absent	1	1	1.00	1.00	Aspergillus terreus	Absent	1	1	1.00	1.00
Aspergillus Total	Absent	1	1	1.00	1.00	Salmonella	Absent	1	1	1.00	1.00
Shiga Toxin E.coli	Absent	1	1	1.00	1.00						

Quantitative Microbials by qPCR

Batch: B6J2327 **SOP:** MCS-SOP-M01
Prep By: 1053 **Prep On:** 10/24/26 20:11
Ana. By: 1053 **Ana. On:** 10/24/26 21:48
Initial (g): 1.0016 **Final (g):** 7

Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL
Yeast & Mold	Absent	1	100000	1000	1000