



Certificate of Analysis

FOR COMPLIANCE



Empire Standard, LLC

License # : OCM-AUCP-22-000038

29 Industrial Park Drive

Binghamton, NY, 13904, US

Sample:AL40814003-003

Batch#: L1M-1024-003

Sample Size Received: 14 gram

Total Amount: 5000 units

Retail Product Size: 1 gram

Retail Serving Size: 0.025 gram

Servings: 40

Sampled: 08/08/24 02:35 PM

Sampling Start: 02:35 PM

Sampling End: 03:15 PM

Sampling Method: SOP.T.20.010.NY

PASSED

Pages 1 of 6

SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals
 Solvents
PASSED



Filtration
NOT TESTED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
TESTED

MISC.



Cannabinoid

PASSED



Total THC

78.7066%

Total THC/Container : 787.0660 mg



Total CBD

<0.1000

Total CBD/Container : 0.0000 mg



Total Cannabinoids

82.2064%

Total Cannabinoids/Container : 822.0640 mg

	(6AR,9R) D10-THC	(6AR,9S) D10-THC	CBC	CBD	CBDA	CBDV	CBG	D8-THC	CBGA	CBN	D9-THC	THCA	THCV
%	1.5779	0.3055	<0.1000	<0.1000	<0.1000	<0.1000	2.2993	<0.1000	<0.1000	0.7182	76.0019	0.9366	0.3670
mg/unit	15.779	3.055	<1.000	<1.000	<1.000	<1.000	22.993	<1.000	<1.000	7.182	760.019	9.366	3.670
LOQ	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
%	%	%	%	%	%	%	%	%	%	%	%	%	%

Weight:

0.1033g

Analysis Method : SOP.T.30.031.NY, SOP.T.40.031.NY

Analyzed Date : 08/14/24 16:32:24

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Erica Troy

Lab Director

NY Permit # OCM-CPL-2022-00006
 ISO 17025 Accreditation # 97164

Signature
 08/20/24



1 Winners Circle
Albany, NY, 12205, US
(833) 465-8378

Kaycha Labs

L1M-1024-003
L1M-1024-003
Matrix : Derivative
Type: Distillate



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Terpenes

TESTED

Terpenes	LOQ (%)	mg/unit	%	Result (%)	Terpenes	LOQ (%)	mg/unit	%	Result (%)
BETA-MYRCENE	0.10	6.900	0.6900		Weight:				
LIMONENE	0.10	5.700	0.5700		0.4547g				
TERPINOLENE	0.04	5.400	0.5400		Analysis Method : SOP.T.30.064.NY, SOP.T.40.064.NY				
BETA-CARYOPHYLLENE	0.04	2.600	0.2600		Analized Date : 08/19/24 08:56:41				
ALPHA-HUMULENE	0.04	2.200	0.2200						
ALPHA-BISABOLOL	0.04	0.900	0.0900						
ALPHA TERPINEOL	0.04	<0.400	<0.0400						
CARYOPHYLLENE OXIDE	0.04	<0.400	<0.0400						
FARNESENE	0.10	<1.000	<0.1000						
FENCHYL ALCOHOL	0.04	<0.400	<0.0400						
GUAIOL	0.04	<0.400	<0.0400						
LINALOOL	0.10	<1.000	<0.1000						
VALENCENE	0.10	<1.000	<0.1000						
ALPHA-PHELLANDRENE	0.10	<1.000	<0.1000						
BETA-PINENE	0.10	<1.000	<0.1000						
CAMPENE	0.10	<1.000	<0.1000						
GERANIOL	0.04	<0.400	<0.0400						
MENTHOL	0.10	<1.000	<0.1000						
OCIMENE	0.10	<1.000	<0.1000						
ALPHA-PINENE	0.10	<1.000	<0.1000						
ALPHA-TERPINENE	0.10	<1.000	<0.1000						
Total (%)			2.3700						

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Kaycha Labs

L1M-1024-003

L1M-1024-003

Matrix : Derivative

Type: Distillate



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Pesticides

PASSED

Pesticide	LOQ	Units	Action Level	Pass/Fail	Result	Pesticide	LOQ	Units	Action Level	Pass/Fail	Result
PYRETHRINS, TOTAL	0.1000	ppm	1	PASS	<0.1000	PACLOBUTRAZOL	0.1000	ppm	0.4	PASS	<0.1000
AZADIRACTHIN	0.1000	ppm	1	PASS	<0.1000	PERMETHRIN	0.1000	ppm	0.2	PASS	<0.1000
INDOLE-3-BUTYRIC ACID	0.1000	ppm	1	PASS	<0.1000	PHOSMET	0.1000	ppm	0.2	PASS	<0.1000
MYCLOBUTANIL	0.1000	ppm	0.2	PASS	<0.1000	PRALLETHRIN	0.1000	ppm	0.2	PASS	<0.1000
PIPERONYL BUTOXIDE	0.1000	ppm	2	PASS	<0.1000	PROPICONAZOLE	0.1000	ppm	0.4	PASS	<0.1000
ABAMECTIN B1A	0.1000	ppm	0.5	PASS	<0.1000	PROPOXUR	0.1000	ppm	0.2	PASS	<0.1000
ACEPHATE	0.1000	ppm	0.4	PASS	<0.1000	PYRIDABEN	0.1000	ppm	0.2	PASS	<0.1000
ACEQUINOCYL	0.1000	ppm	2	PASS	<0.1000	SPINETORAM, TOTAL	0.1000	ppm	1	PASS	<0.1000
ACETAMIPRID	0.1000	ppm	0.2	PASS	<0.1000	SPINOSAD, TOTAL	0.1000	ppm	0.2	PASS	<0.1000
ALDICARB	0.1000	ppm	0.4	PASS	<0.1000	SPIROMESIFEN	0.1000	ppm	0.2	PASS	<0.1000
AZOXYSTROBIN	0.1000	ppm	0.2	PASS	<0.1000	SPIROTETRAMAT	0.1000	ppm	0.2	PASS	<0.1000
CHLORMEQUAT CHLORIDE	0.1000	ppm	1	PASS	<0.1000	SPIROXAMINE	0.1000	ppm	0.2	PASS	<0.1000
BIFENAZATE	0.1000	ppm	0.2	PASS	<0.1000	TEBUCONAZOLE	0.1000	ppm	0.4	PASS	<0.1000
BIFENTHRIN	0.1000	ppm	0.2	PASS	<0.1000	THIACLOPRID	0.1000	ppm	0.2	PASS	<0.1000
CARBARYL	0.1000	ppm	0.2	PASS	<0.1000	THIAMETHOXAM	0.1000	ppm	0.2	PASS	<0.1000
COUMAPHOS	0.1000	ppm	1	PASS	<0.1000	TRIFLOXYSTROBIN	0.1000	ppm	0.2	PASS	<0.1000
CHLORPYRIFOS	0.1000	ppm	0.2	PASS	<0.1000	CAPTAN *	0.1000	ppm	1	PASS	<0.1000
DAMINOZIDE	0.1000	ppm	1	PASS	<0.1000	CHLORDANE *	0.1000	ppm	1	PASS	<0.1000
BOSCALID	0.1000	ppm	0.4	PASS	<0.1000	CHLORFENAPYR *	0.1000	ppm	1	PASS	<0.1000
CARBOFURAN	0.1000	ppm	0.2	PASS	<0.1000	CYFLUTHRIN *	0.1000	ppm	1	PASS	<0.1000
CHLORANTRANILIPROLE	0.1000	ppm	0.2	PASS	<0.1000	CYPERMETHRIN *	0.1000	ppm	1	PASS	<0.1000
CLOFENTZINE	0.1000	ppm	0.2	PASS	<0.1000	METHYL PARATHION *	0.1000	ppm	0.2	PASS	<0.1000
DIAZINON	0.1000	ppm	0.2	PASS	<0.1000	MGK-264 *	0.1000	ppm	0.2	PASS	<0.1000
DICHLORVOS	0.1000	ppm	1	PASS	<0.1000	PENTACHLORONITROBENZENE *	0.1000	ppm	1	PASS	<0.1000
DIMETHOATE	0.1000	ppm	0.2	PASS	<0.1000	Weight:					
DIMETHOMORPH	0.1000	ppm	1	PASS	<0.1000	0.4325g					
ETHOPROPHOS	0.1000	ppm	0.2	PASS	<0.1000	Analysis Method : SOP.T.40.104.NY, SOP.T30.104.NY and SOP.T.40.154.NY					
ETOFENPROX	0.1000	ppm	0.4	PASS	<0.1000	Analyzed Date : 08/15/24 20:43:12					
ETOXAZOLE	0.1000	ppm	0.2	PASS	<0.1000	Weight:					
FENHEXAMID	0.1000	ppm	1	PASS	<0.1000	0.4325g					
FENOXICARB	0.1000	ppm	0.2	PASS	<0.1000	Analysis Method : SOP.T.40.154.NY					
FENPYROXIMATE	0.1000	ppm	0.4	PASS	<0.1000	Analyzed Date : 08/15/24 20:40:56					
FIPRONIL	0.1000	ppm	0.4	PASS	<0.1000						
FLONICAMID	0.1000	ppm	1	PASS	<0.1000						
FLUDIOXONIL	0.1000	ppm	0.4	PASS	<0.1000						
HEXYTHIAZOX	0.1000	ppm	1	PASS	<0.1000						
IMAZALIL	0.1000	ppm	0.2	PASS	<0.1000						
IMIDACLOPRID	0.1000	ppm	0.4	PASS	<0.1000						
KRESOXIM METHYL	0.1000	ppm	0.4	PASS	<0.1000						
MALATHION	0.1000	ppm	0.2	PASS	<0.1000						
METALAXYL	0.1000	ppm	0.2	PASS	<0.1000						
METHIOCARB	0.1000	ppm	0.2	PASS	<0.1000						
METHOMYL	0.1000	ppm	0.4	PASS	<0.1000						
MEVINPHOS	0.1000	ppm	1	PASS	<0.1000						
NALED	0.1000	ppm	0.5	PASS	<0.1000						
OXAMYL	0.1000	ppm	1	PASS	<0.1000						

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L1M-1024-003
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Matrix : Derivative
Type: Distillate



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Residual Solvents **PASSED**

Solvents	LOQ	Units	Action Level	Pass/Fail	Result
DIMETHYL SULFOXIDE	375.0	ppm	5000	PASS	<375.0
1,1,1-TRICHLOROETHANE	375.0	ppm	1500	PASS	<375.0
HEXANE, TOTAL	125.0	ppm	290	PASS	<125.0
PENTANES, TOTAL	125.0	ppm	5000	PASS	<125.0
BUTANES, TOTAL	750.0	ppm	5000	PASS	<750.0
XYLENES, TOTAL	125.0	ppm	2170	PASS	<125.0
1,2-DICHLOROETHANE	1.3	ppm	5	PASS	<1.3
PROPANE	750.0	ppm	5000	PASS	<750.0
METHANOL	125.0	ppm	3000	PASS	<125.0
ETHANOL	125.0	ppm	5000	PASS	<125.0
ETHYL ETHER	125.0	ppm	5000	PASS	<125.0
ACETONE	125.0	ppm	5000	PASS	<125.0
2-PROPANOL	125.0	ppm	5000	PASS	<125.0
ACETONITRILE	125.0	ppm	410	PASS	<125.0
DICHLOROMETHANE	125.0	ppm	600	PASS	<125.0
ETHYL ACETATE	125.0	ppm	5000	PASS	<125.0
BENZENE	1.3	ppm	2	PASS	<1.3
N-HEPTANE	125.0	ppm	5000	PASS	<125.0
TOLUENE	125.0	ppm	890	PASS	<125.0
CHLOROFORM	1.3	ppm	60	PASS	<1.3

Weight:
0.0242g

Analysis Method : SOP.T.40.044.NY
Analyzed Date : 08/14/24 15:39:42

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 33 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

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 Microbial PASSED						 Mycotoxins PASSED					
Analyte	LOQ	Units	Result	Pass / Fail	Action Level	Analyte	LOQ	Units	Result	Pass / Fail	Action Level
TOTAL AEROBIC BACTERIA	100	CFU/g	<100	PASS	10000	AFLATOXIN G2	0.0025	ppm	<0.0025	PASS	0.02
TOTAL YEAST AND MOLD	100	CFU/g	<100	PASS	1000	AFLATOXIN G1	0.0025	ppm	<0.0025	PASS	0.02
ESCHERICHIA COLI SHIGELLA SPP	1		Not Present	PASS		AFLATOXIN B2	0.0025	ppm	<0.0025	PASS	0.02
SALMONELLA SPECIES	1		Not Present	PASS		AFLATOXIN B1	0.0025	ppm	<0.0025	PASS	0.02
ASPERGILLUS TERREUS	1		Not Present	PASS		OCHRATOXIN A+	0.0100	ppm	<0.0100	PASS	0.02
ASPERGILLUS NIGER	1		Not Present	PASS		TOTAL AFLATOXINS (B1, B2, G1, G2)	0.0025	ppm	<0.0025	PASS	0.02
ASPERGILLUS FLAVUS	1		Not Present	PASS							
ASPERGILLUS FUMIGATUS	1		Not Present	PASS							
Weight: 0.9096g						Weight: 0.4325g					
Analysis Method : SOP.T.40.058A.NY, SOP.T.40.058B.NY, SOP.T.40.208.NY Analyzed Date : 08/14/24 11:57:55						Analysis Method : SOP.T.30.104.NY, SOP.T.40.104.NY Analyzed Date : 08/15/24 20:40:58					

 Heavy Metals PASSED					
Metal	LOQ	Units	Result	Pass / Fail	Action Level
ANTIMONY	0.1000	ug/g	<0.1000	PASS	2
ARSENIC	0.1000	ug/g	<0.1000	PASS	0.2
CADMIUM	0.1000	ug/g	<0.1000	PASS	0.2
CHROMIUM	1.0000	ug/g	<1.0000	PASS	110
COPPER	1.0000	ug/g	<1.0000	PASS	30
LEAD	0.1000	ug/g	<0.1000	PASS	0.5
MERCURY	0.0100	ug/g	<0.0100	PASS	0.1
NICKEL	0.1000	ug/g	0.2070	PASS	2
Weight: 0.4106g					
Analysis Method : SOP.T.30.084.NY, SOP.T.40.084.NY Analyzed Date : 08/15/24 17:41:54					



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Homogeneity

PASSED

Analyte	LOQ	Units	Pass/Fail	Result	Action Level
HOM1 TOTAL THC PERCENT DIFFERENCE	0.01	%	PASS	ND	25
HOM1 TOTAL CBD PERCENT DIFFERENCE	0.01	%	PASS	ND	25
HOM2 TOTAL THC PERCENT DIFFERENCE	0.01	%	PASS	ND	25
HOM2 TOTAL CBD PERCENT DIFFERENCE	0.01	%	PASS	ND	25
HOM3 TOTAL THC PERCENT DIFFERENCE	0.01	%	PASS	ND	25
HOM3 TOTAL CBD PERCENT DIFFERENCE	0.01	%	PASS	ND	25
HOM4 TOTAL THC PERCENT DIFFERENCE	0.01	%	PASS	ND	25
HOM4 TOTAL CBD PERCENT DIFFERENCE	0.01	%	PASS	ND	25
HOM5 TOTAL THC PERCENT DIFFERENCE	0.01	%	PASS	ND	25
HOM5 TOTAL CBD PERCENT DIFFERENCE	0.01	%	PASS	ND	25

Analysis Method : SOP.T.30.031.NY, SOP.T.40.031.NY

Analyzed Date : 08/14/24 16:32:24

Homogeneity testing is performed utilizing High Performance Liquid Chromatography with UV detection in accordance with F.S. Rule 64ER20-39.

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