

Certificate of Analysis

Jul 21, 2021 | Roman Empire Farms

662 Salt Springville Rd. Fort Plain, NY, 13339



Kaycha Labs

300mg Natura

Matrix: Derivative



Sample: KN10519004-004 Harvest/Lot ID: 21130-003

> Seed to Sale# N/A Batch Date: 05/10/21 Batch#: 21130-003

Sample Size Received: 30 Total Weight/Volume: N/A Retail Product Size: 30 ml

> Ordered: 05/17/21 sampled: 05/17/21

Completed: 05/24/21 Expires: 05/24/22 Sampling Method: SOP Client Method

PASSED

Page 1 of 4

PRODUCT IMAGE



SAFETY RESULTS





Heavy Metals **PASSED**



Microbials **PASSED**



PASSED



Residuals Solvents PASSED



PASSED



Water Activity



NOT



MISC.

NOT TESTED

CANNABINOID RESULTS



< 0.010

< 0.010

0.0010

LOD

Total THC 0.045%



Total CBD 1.362%

0.0600

0.0010

< 0.010

< 0.010

0.0010



Total Cannabinoids 1.516%



PASSED

Analyzed By	Weight	Eve	raction date	Extracted E	21/
Allalyzeu by			i action uate	Extracted	-
142	0.8213g	NA			NA
Analyte				LOD	Result
Filth and Foreign	Material			0.3	ND
Analysis Metho	d -SOP.T.40	.013	Batch Date : (05/20/21 14:34	:47
Analytical Batc	h -KN00090	1FIL	Reviewed On	- 05/20/21 14:4	47:18
Instrument Use	d: E-AMS-1	38 Mi	croscope		
Bunning On I					

Cannabinoid Profile Test

< 0.010

< 0.010

0.0010

Analyzed by Weight Extraction date: Extracted By:

1.3620

0.0010

13,6200

< 0.010

<0.010

0.0010

< 0.010

0.0010

0.0450

0.0010

ND

ND

0.0010

Batch Date: 05/19/21 08:31:40

Analysis Method -Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCa: 9.5%, TOTAL THC 11. 1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution. Reviewed On -12:28:29

Analytical Batch -KN000890POT Instrument Used: HPLC E-SHI-008

<0.010

<0.010

0.0010

Reagent Dilution Consums, ID

0.0470

0.4700

0.0010

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis.). *Based on FL action limits.

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Sue Ferguson

Lab Director

State License # n/a ISO Accreditation # 17025:2017



05/24/21

Signature



Kaycha Labs

300mg Natural

N/A

Matrix : Derivative



Certificate of Analysis

Roman Empire Farms

662 Salt Springville Rd., Fort Plain, NY, 13339

Telephone: -

Email: adam@romanempirefarms.com

Sample: KN10519004-004 Harvest/LOT ID: 21130-003

Batch#:21130-003 **Sampled:**05/17/21

Ordered: 05/17/21

Sample Size Received: 30
Total Weight/Volume: N/A

Pesticides

Completed: 05/24/21 Expires: 05/24/22 Sample Method: SOP Client Method

PASSED

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Resu
ABAMECTIN B1A	0.01	ppm	0.3	ND
ACEPHATE	0.01	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND
ACETAMIPRID	0.01	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND
BOSCALID	0.01	ppm	3	ND
CARBARYL	0.01	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
CLOFENTEZINE	0.01	ppm	0.5	ND
COUMAPHOS	0.01	ppm	0.1	ND
CYPERMETHRIN	0.01	ppm	1 /	ND
DAMINOZIDE	0.01	ppm	0.1	< 0.050
DIAZANON	0.01	ppm	0.2	ND
DICHLORVOS	0.01	ppm	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND
DIMETHOMORPH	0.01	ppm	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	1.5	ND
FENHEXAMID	0.01	ppm	3	ND
FENOXYCARB	0.01	ppm	0.1	ND
FENPYROXIMATE	0.01	ppm	2	ND
FIPRONIL	0.01	ppm	0.1	ND
FLONICAMID	0.01	ppm	2	ND
FLUDIOXONIL	0.01	ppm	3	ND
HEXYTHIAZOX	0.01	ppm	2	ND
IMAZALIL	0.01	ppm	0.1	ND
IMIDACLOPRID	0.01	ppm	3	ND
KRESOXIM-METHYL	0.01	ppm	1 /	ND
MALATHION	0.01	ppm	2	ND
METALAXYL	0.01	ppm	3	ND
METHIOCARB	0.01	ppm	0.1	ND
METHOMYL	0.01	ppm	0.1	ND
MEVINPHOS	0.01	ppm	0.1	ND
MYCLOBUTANIL	0.01	ppm	3	ND
NALED	0.01	ppm	0.5	ND
OXAMYL	0.01	ppm	0.5	ND
PACLOBUTRAZOL	0.01	ppm	0.1	ND
PERMETHRINS	0.01	ppm	1	ND
PHOSMET	0.01	ppm	0.2	ND
	J.01	PP	V	

Pesticides	LOD	Units	Action Level	Result
PIPERONYL BUTOXIDE	0.01	ppm	3	ND
PRALLETHRIN	0.01	ppm	0.4	ND
PROPICONAZOLE	0.01	ppm	1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRINS	0.01	ppm	1	ND
PYRIDABEN	0.01	ppm	3	ND
SPINETORAM	0.01	ppm	3	ND
SPIROMESIFEN	0.01	ppm	3	ND
SPIROTETRAMAT	0.01	ppm	3	ND
SPIROXAMINE	0.01	ppm	0.1	ND
TEBUCONAZOLE	0.01	ppm	1	ND
THIACLOPRID	0.01	ppm	0.1	ND
THIAMETHOXAM	0.01	ppm	1	ND
TOTAL SPINOSAD	0.01	ppm	3	ND
TRIFLOXYSTROBIN	0.01	ppm	3	ND

Analyzed by	Weight	Extraction date	Extracted By	
143	1.0076g	05/19/21 11:05:01	143	
Analysis Method - SOP.T	.30.060, SOP.T.40.060	,		
Analytical Batch - KN000	0892PES		Reviewed On- 05/20/21 14:47:18	
Instrument Used : E-SHI-	-125 Pesticides			
Running On: 05/19/21 16:35:55			Batch Date: 05/19/21 11:19:04	

 Reagent
 Dilution
 Consums. ID

 11343882
 10
 200618634

 063021.861
 94789291.217

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). Analytes ISO pending. *Based on FL action limits. *

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Sue Ferguson

Lab Director

State License # n/a ISO Accreditation # 17025:2017 Sutuguan

05/24/21

Signature



Kaycha Labs

300mg Natura

Matrix: Derivative



PASSED

Certificate of Analysis

662 Salt Springville Rd., Fort Plain, NY, 13339

Telephone: -

Email: adam@romanempirefarms.com

Sample: KN10519004-004 Harvest/LOT ID: 21130-003

Batch#: 21130-003 Sampled: 05/17/21

Ordered: 05/17/21

Sample Size Received: 30 Total Weight/Volume: N/A

Completed: 05/24/21 Expires: 05/24/22 Sample Method: SOP Client Method

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Residual Solvents

PASSED



Residual Solvents



Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
1.1-DICHLOROETHENE	8.0	ppm	8	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES - M, P & O DIMETHYLBENZENE	- 15	ppm		PASS	ND

Analyzed by	Weight	Extraction date	Extracted By
138	0.02435g	05/19/21 01:05:56	138

Analysis Method -SOP.T.40.032

Analytical Batch - KN000891SOL Reviewed On - 05/20/21 15:26:37

Instrument Used: E-SHI-106 Residual Solvents

Running On: 05/20/21 09:11:48 Batch Date: 05/19/21 10:36:19

Reagent	Dilution	Consums. ID

1065518282V1393

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). Analytes ISO pending. *Based on FL action limits.

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Sue Ferguson

Lab Director

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05/24/21

Signature



Kaycha Labs

300mg Natura

Matrix: Derivative



Certificate of Analysis

PASSED

662 Salt Springville Rd., Fort Plain, NY, 13339

Telephone: -

Email: adam@romanempirefarms.com

Sample: KN10519004-004 Harvest/LOT ID: 21130-003

Batch#: 21130-003 Sampled: 05/17/21

Ordered: 05/17/21

Sample Size Received: 30 Total Weight/Volume: N/A

Completed: 05/24/21 Expires: 05/24/22 Sample Method: SOP Client Method

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Microbials

PASSED

Result

not present in 1 gram

not present in 1 gram.

not present in 1 gram.

not present in 1 gram.

not present in 1 gram

not present in 1 gram.

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Mycotoxins

PASSED

Analyte ESCHERICHIA COLI SHIGELLA SPP SALMONELLA_SPECIFIC_GENE ASPERGILLUS_FLAVUS ASPERGILLUS_FUMIGATUS ASPERGILLUS NIGER ASPERGILLUS TERREUS

Analysis Method -SOP.T.40.043

Analytical Batch - KN000895MIC Batch Date: 05/20/21

Instrument Used: Micro E-HEW-069

Running On: 05/20/21

Analyzed by 142

Weight 0.9789a

Extraction date

LOD

Extracted By

Reagent

042321.01 041621.04

112020.04

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing

980		
nalyte	LOD	Units
FLATOXIN G2	0.002	ppm
LATOVIN C1	0.002	

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ppm	ND	0.02
AFLATOXIN G1	0.002	ppm	ND	0.02
AFLATOXIN B2	0.002	ppm	ND	0.02
AFLATOXIN B1	0.002	ppm	ND	0.02
OCHRATOXIN A+	0.002	ppm	ND	0.02
TOTAL MYCOTOXINS	0.002	ppm	ND	
TOTAL MITCOTOXINS	0.002	ppm	ND	

Analysis Method -SOP.T.30.060, SOP.T.40.060

Analytical Batch -KN000893MYC | Reviewed On - 05/21/21 14:55:39

Instrument Used: E-SHI-125 Mycotoxins Running On: 05/19/21 16:37:40

Batch Date: 05/19/21 11:20:31

Analyzed by

Weight 1.0076g

Extraction date 05/19/21 04:05:40 **Extracted By**

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflotoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg Analytes ISO pending. *Based on FL action limits.

Hg

Heavy Metals

PASSED

Reagent	Dilution	Consums. ID
040521.R20	50	7226/0030021
040521.R04		210117060
050621.R21		

Metal	LOD	Unit	Result	Action Level (PPM))
ARSENIC-AS	0.02	ppm	ND	1.5	
CADMIUM-CD	0.02	ppm	ND	0.5	
MERCURY-HG	0.02	ppm	ND	3	
LEAD-PB	0.02	ppm	ND	0.5	
Analyzed by	Weight	Extractio	n date	Extracted By	
12	0.2745g	05/20/21 05	5:05:22	12	

Analysis Method -SOP.T.40.050, SOP.T.30.052

Analytical Batch -KN000899HEA | Reviewed On - 05/21/21 10:02:37

Instrument Used: Metals ICP/MS

Running On:

Batch Date: 05/20/21 09:58:31

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. Analytes ISO Pending. *Based on FL action limits.

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05/24/21

Signature