



# Certificate of Analysis

Sample:KN10819006-001  
Harvest/Lot ID: R0500121  
Seed to Sale# N/A  
Batch Date: 02/21/21  
Batch#: 21SM0159  
Sample Size Received: 90 ml  
Total Weight/Volume: N/A  
Retail Product Size: 90 ml  
Ordered : 08/16/21  
sampled : 08/16/21  
Completed: 09/21/21 Expires: 09/21/22  
Sampling Method: SOP Client Method

Sep 21, 2021 | Fire & Ice Athletics

304 S Jones Blvd Suite 4362,  
Las Vegas, Nevada, 89107



**PASSED**  
Page 1 of 4

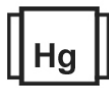
PRODUCT IMAGE



SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals  
Solvents  
**PASSED**



Filtration  
**PASSED**



Water Activity  
**NOT TESTED**



Moisture  
**NOT TESTED**



Terpenes  
**NOT TESTED**

MISC.

CANNABINOID RESULTS



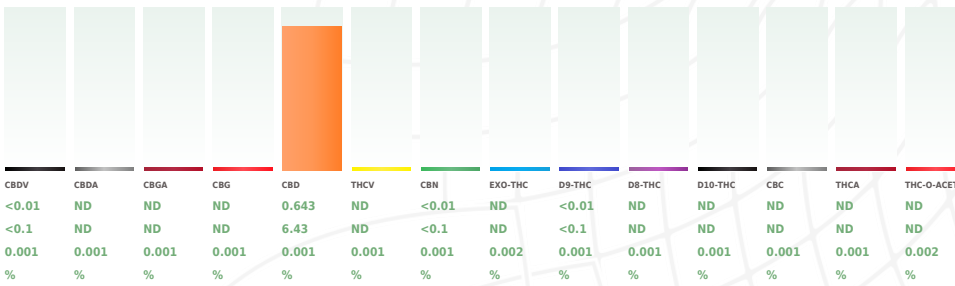
Total THC  
**0.000%**  
TOTAL THC/Container :0 mg



Total CBD  
**0.643%**  
TOTAL CBD/Container :579.24 mg



Total Cannabinoids  
**0.643%**  
Total Cannabinoids/Container :579.24 mg



**Filtration PASSED**

Analyzed By	Weight	Extraction date	Extracted By	NA
142	1.3277g	NA		NA
Analyte			LOD	Result
Filtration and Foreign Material			0.3	ND
Analysis Method	SOP.T.40.013	Batch Date	08/24/21 11:39:28	
Analytical Batch	KN001252FIL	Reviewed On	08/24/21 11:53:17	
Instrument Used	E-AMS-138 Microscope			

Running On : This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.2256g	08/20/21 10:08:29	113
Analysis Method -Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCa: 9.5%, TOTAL THC 1.1, 1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.			
Analytical Batch -KN001236POT		Instrument Used : HPLC E-SH-008	Running On :
Reviewed On -		09/21/21 13:37:15	Batch Date : 08/19/21 15:50:42

Reagent	Dilution	Consums. ID
081321.R04	40	94789291.217
081321.R01		0630220
080221.R02		

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.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Sue Ferguson  
Lab Director  
State License # n/a  
ISO Accreditation #  
17025:2017

*Sue Ferguson*  
Signature

09/21/21  
SIGNED  
SIGNED



# Certificate of Analysis

**PASSED**

Fire & Ice Athletics

304 S Jones Blvd Suite 4362,  
Las Vegas, Nevada, 89107

Telephone: 8444483473

Email: kevin@fireandiceathletics.com

Sample : KN10819006-001  
Harvest/LOT ID: RO500121

Batch# : 21SM0159

Sample Size Received : 90 ml

Sampled : 08/16/21

Ordered : 08/16/21

Total Weight/Volume : N/A

Completed : 09/21/21 Expires: 09/21/22

Sample Method : SOP Client Method


Page 2 of 4



## Pesticides

# PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	ND
ACEPHATE	0.01	ppm	3	ND	PRALLETHRIN	0.01	ppm	0.4	ND
ACEQUINOXYL	0.01	ppm	2	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PROPOXUR	0.01	ppm	0.1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRETHRINS	0.01	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRIDABEN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPINETORAM	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPIROMESIFEN	0.01	ppm	3	ND
BOSCALID	0.01	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CARBARYL	0.01	ppm	0.5	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND	THIACLOPRID	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	ND	THIAMETHOXAM	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
CLOFENTEZINE	0.01	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND					
CYPERMETHRIN	0.01	ppm	1	ND					
DAMINOZIDE	0.01	ppm	0.1	ND					
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					



### Pesticides

PASSED

---

<b>Analyzed by</b> 143	<b>Weight</b> 1.0298g	<b>Extraction date</b> 08/23/21 09:08:10	<b>Extracted By</b> 143
<b>Analysis Method</b> - SOP.T.30.060, SOP.T.40.060 ,		<b>Reviewed On</b> - 08/24/21	
<b>Analytical Batch</b> - KN001243PES		11:53:17	
<b>Instrument Used</b> : E-SHI-125 Pesticides		<b>Batch Date</b> : 08/23/21 08:54:36	
<b>Running On</b> : 08/23/21 12:21:10			

---

<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>
112420.04	10	200618634
080221.805		94789291.217
080221.815		
080221.802		
080221.803		

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. \*

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

**Sue Ferguson**  
Lab Director  
State License # n/a  
ISO Accreditation #  
17025:2017

*Sue Ferguson*  
Signature

09/21/21  
Signed On



# Certificate of Analysis

**PASSED**

**Fire & Ice Athletics**

304 S Jones Blvd Suite 4362,  
Las Vegas, Nevada, 89107  
Telephone: 8444483473  
Email: kevin@fireandiceathletics.com

**Sample : KN10819006-001**  
**Harvest/LOT ID: RO500121**

**Batch# : 21SM0159**  
**Sampled : 08/16/21**  
**Ordered : 08/16/21**

**Sample Size Received : 90 ml**  
**Total Weight/Volume : N/A**  
**Completed : 09/21/21 Expires: 09/21/22**  
**Sample Method : SOP Client Method**

Page 3 of 4

## Residual Solvents

PASSED

## Residual Solvents

PASSED

Solvent	LOD	Units	Action Level	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	0.8	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 - 15 DIMETHYLBENZENE		ppm	2170	PASS	ND

**Analyzed by** 138  
**Weight** 0.02267g  
**Extraction date** 08/20/21 03:08:57  
**Extracted By** 138

**Analysis Method -SOP.T.40.032**  
**Analytical Batch -KN001242SOL**      **Reviewed On - 08/23/21 11:27:00**  
**Instrument Used : E-SHI-106 Residual Solvents**  
**Running On : 08/23/21 09:05:58**  
**Batch Date : 08/20/21 14:19:56**

Reagent	Dilution	Consums. ID
		R2017.062 G201-062

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.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

**Sue Ferguson**  
Lab Director  
State License # n/a  
ISO Accreditation #  
17025:2017

*Sue Ferguson*  
Signature

09/21/21  
Signed On



10427 Cogdill Road, Suite 500  
Knoxville, TN, 37932, US  
DEA Number: RK0595249

# Certificate of Analysis

**PASSED**

Fire & Ice Athletics

304 S Jones Blvd Suite 4362,  
Las Vegas, Nevada, 89107

Telephone: 8444483473

Email: kevin@fireandiceathletics.com

Sample : KN10819006-001  
Harvest/LOT ID: RO500121

Batch# : 21SM0159

Sampled : 08/16/21

Ordered : 08/16/21

Sample Size Received : 90 ml

Total Weight/Volume : N/A


Completed : 09/21/21 Expires: 09/21/22

Sample Method : SOP Client Method

Page 4 of 4



PASSED



PASSED

Analyte	LOD	Result
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.
ASPERGILLUS_FLAVUS		not present in 1 gram.
ASPERGILLUS_FUMIGATUS		not present in 1 gram.
ASPERGILLUS_NIGER		not present in 1 gram.
ASPERGILLUS_TERREUS		not present in 1 gram.

Analysis Method -SOP.T.40.043

Analytical Batch -KN001241MIC Batch Date : 08/20/21 14:09:23

Instrument Used : Micro E-HEW-069

Running On : 08/23/21 11:12:52

Analyzed by	Weight	Extraction date	Extracted By
142	0.9734g	NA	NA

Reagent	Consums. ID
061821.01	003102
041621.02	
030421.02	

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.

Analyte	LOD	Units	Result	Action Level
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	

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

Analytical Batch -KN001244MYC | Reviewed On - 08/23/21 16:14:25

Instrument Used : E-SHI-125 Mycotoxins

Running On : 08/23/21 12:21:52

Batch Date : 08/23/21 08:55:15

Analyzed by	Weight	Extraction date	Extracted By
143	1.0298g	08/23/21 12:08:29	143

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 (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg. Analytes ISO pending. \*Based on FL action limits.



PASSED

Reagent	Reagent	Dilution	Consums. ID
080421.R11	040521.R04	50	7226/0030021
052021.R19	080421.R12		210117060
031620.03			
061521.01			
080421.R13			
032621.R01			

Metal	LOD	Unit	Result	Action Level
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	Extraction date	Extracted By
12	0.2807g	08/20/21 05:08:12	12

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

Analytical Batch -KN001228HEA | Reviewed On - 08/20/21 17:35:08

Instrument Used : Metals ICP/MS

Running On :

Batch Date : 08/17/21 13:23:15


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.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Sue Ferguson

Lab Director

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



Signature

09/21/21

Signed On