



Certificate of Analysis

Sample:KN10319001-002
Harvest/Lot ID: 854-20136
Seed to Sale #N/A
Batch Date :03/01/21
Batch#: MJS-GG-002
Sample Size Received: 10 gram
Total Weight/Volume: N/A
Retail Product Size: 0.5 gram
Ordered : 03/01/21
sampled : 03/01/21
Completed: 03/26/21 Expires: 03/26/22
Sampling Method: SOP Client Method

Mar 26, 2021 | KC INNOVATION LAB

401 N WICKHAM ROAD
MELBOURNE , FL, 32904, US



TESTED

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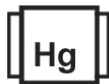
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals
Solvents
TESTED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
TESTED

MISC.

CANNABINOID RESULTS



Total d8-THC
40.746%



Total CBD
0.171%



Total Cannabinoids
41.272%

Filtration PASSED

Analyzed By	Weight	Extraction date	Extracted By
142	0.3327g	NA	NA
Analyte		LOD	Result
Filtration and Foreign Material		0.3	ND
Analysis Method -SOP.T.40.013	Batch Date : 03/24/21 09:29:17		
Analytical Batch -KN000620FIL	Reviewed On - 03/24/21 16:41:38		
Instrument Used : E-AM5-138 Microscope			

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

CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
ND	ND	0.061%	ND	0.171%	ND	0.065%	0.194%	40.746%	ND	0.032%
ND	ND	0.610	ND	1.710	ND	0.650	1.940	407.460	ND	0.320
LOD 0.01	LOD 0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.1047g	NA	NA
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 -	Batch Date : 03/25/21 10:05:59
Analytical Batch -KN000627POT		19:02:48	
Instrument Used : HPLC E-SHI-008			

Reagent	Dilution	Consums. ID
120320.R02	20	94789291.217
032321.R01		200331059
032321.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.

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

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Signature

03/26/2021
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MELBOURNE, FL, 32904, US
Telephone: 3212345371
Email: KAIVAL14@GMAIL.COM

Sample : KN10319001-002

Harvest/LOT ID: 854-20136

Batch# : MJS-GG-002

Sampled : 03/01/21

Ordered : 03/01/21

Sample Size Received : 10 gram

Total Weight/Volume : N/A

Completed : 03/26/21 Expires: 03/26/22

Sample Method : SOP Client Method

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Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-PHELLANDRENE	.02	ND	ND		ISOPULEGOL	.02	ND	ND	
FENCHONE	.02	ND	ND		CIS-NEROLIDOL	.02	ND	ND	
GAMMA-TERPINENE	.02	ND	ND		3-CARENE	.02	2.239	0.223	
GERANIOL	.02	ND	ND		FENCHYL ALCOHOL	.02	ND	ND	
GERANYL ACETATE	.02	ND	ND		HEXAHYDROTHYMOL	.02	9.391	0.939	
GUAJOL	.02	ND	ND		EUCALYPTOL	.02	ND	ND	
LIMONENE	.02	83.642	8.364		ISOBORNEOL	.02	ND	ND	
LINALOOL	.02	13.266	1.326						
NEROL	.02	ND	ND						
OCIMENE	.02	ND	ND						
FARNESENE	.02	ND	ND						
PULEGONE	.02	ND	ND						
SABINENE	.02	0.319	0.031						
SABINENE HYDRATE	.02	ND	ND						
TERPINEOL	.02	16.282	1.628						
TERPINOLENE	.02	ND	ND						
TRANS-CARYOPHYLLENE	.02	130.774	13.077						
TRANS-NEROLIDOL	.02	ND	ND						
VALENCENE	.02	ND	ND						
CEDROL	.02	ND	ND						
ALPHA-HUMULENE	.02	24.621	2.462						
ALPHA-PINENE	.02	14.259	1.425						
ALPHA-TERPINENE	.02	0.208	0.020						
BETA-MYRCENE	.02	53.235	5.323						
BETA-PINENE	.02	13.651	1.365						
BORNEOL	.04	ND	ND						
CAMPHENE	.02	0.545	0.054						
CAMPHOR	.04	ND	ND						
CARYOPHYLLENE OXIDE	.02	11.113	1.111						
ALPHA-CEDRENE	.02	ND	ND						
ALPHA-BISABOLOL	.02	35.932	3.593						



Terpenes

TESTED

Analyzed by 138 **Weight** 0.32249g **Extraction date** 03/24/21 02:03:30 **Extracted By** 138

Analysis Method -SOP.T.40.090
Analytical Batch -KN000623TER **Reviewed On** - 03/25/21 16:53:24
Instrument Used : E-SHI-109 Terpenes
Running On : 03/24/21 17:08:20
Batch Date : 03/24/21 10:21:31

Reagent	Dilution	Consums. ID
102920.01		P7364369
		P7361234
		7303642
		947B9291.217
		GL0320
		280075293

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.090 Terpenoid Analysis Via GC-MS. Analytes ISO Pending

Total (%) 40.948

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Telephone: 3212345371
Email: KAIVAL14@GMAIL.COM

Sample : KN10319001-002
Harvest/LOT ID: 854-20136

Batch# : MJS-GG-002
Sampled : 03/01/21
Ordered : 03/01/21

Sample Size Received : 10 gram
Total Weight/Volume : N/A
Completed : 03/26/21 Expires: 03/26/22
Sample Method : SOP Client Method


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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND	PIPERONYL BUTOXIDE	0.005	ppm	3	ND
ACEPHATE	0.01	ppm	3	ND	PRALLETHRIN	0.01	ppm	0.4	ND
ACEQUINOCYL	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	0.005	ppm	0.1	ND	PYRETHRINS	0.01	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRIDABEN	0.01	ppm	3	ND
BIFENAZATE	0.005	ppm	3	ND	SPINETORAM	0.005	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	0.005	ppm	1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND	THIACLOPRID	0.005	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.005	ppm	3	ND	THIAMETHOXAM	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.005	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	0.005	ppm	0.1	ND					
ETOFENPROX	0.005	ppm	0.1	ND					
ETOXAZOLE	0.01	ppm	1.5	ND					
FENHEXAMID	0.005	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	0.005	ppm	2	ND					
IMAZALIL	0.01	ppm	0.1	ND					
IMIDACLOPRID	0.005	ppm	3	ND					
KRESOXIM-METHYL	0.005	ppm	1	ND					
MALATHION	0.005	ppm	2	ND					
METALAXYL	0.005	ppm	3	ND					
METHIOCARB	0.01	ppm	0.1	ND					
METHOMYL	0.005	ppm	0.1	ND					
MEVINPHOS	0.005	ppm	0.1	ND					
MYCLOBUTANIL	0.005	ppm	3	ND					
NALED	0.01	ppm	0.5	ND					
OXAMYL	0.005	ppm	0.5	ND					
PACLOBUTRAZOL	0.005	ppm	0.1	ND					
PERMETHRINS	0.01	ppm	1	ND					
PHOSMET	0.005	ppm	0.2	ND					



Pesticides

PASSED

Analyzed by 143	Weight 0.1353g	Extraction date 03/22/21 01:03:24	Extracted By 143
Analysis Method - SOP.T.30.060, SOP.T.40.060 , Analytical Batch - KN000608PES		Reviewed On- 03/24/21 16:41:38	
Instrument Used : E-SHI-125 Pesticides Running On : 03/22/21 13:42:23		Batch Date : 03/22/21 11:03:34	
Reagent 02321.A03 02321.A11 02321.A29 02321.A30	Dilution 2	Consums. ID P7364369 00302193	

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.T.40.060 Procedure for Pesticide Quantification Using LCMS). Analytes ISO pending. *Based on FL action limits. *

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Telephone: 3212345371
Email: KAIVAL14@GMAIL.COM

Sample : KN10319001-002

Harvest/LOT ID: 854-20136

Batch# : MJS-GG-002

Sampled : 03/01/21

Ordered : 03/01/21

Sample Size Received : 10 gram

Total Weight/Volume : N/A

Completed : 03/26/21 **Expires:** 03/26/22

Sample Method : SOP Client Method

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	Residual Solvents	TESTED
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	Residual Solvents	TESTED
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Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	500	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
ACETONE	75	ppm	750	PASS	<375.000
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
XYLENES-M&P (1,3&1,4-DIMETHYLBENZENE)	10	ppm	150	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	5	ppm	150	PASS	ND

Analyzed by	Weight	Extraction date	Extracted By
138	0.02733g	03/24/21 11:03:53	138
Analysis Method -SOP.T.40.032			
Analytical Batch -KN000621SOL		Reviewed On - 03/25/21 16:56:36	
Instrument Used : E-SHI-106 Residual Solvents			
Running On : 03/24/21 15:22:30			
Batch Date : 03/24/21 09:31:23			

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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Email: KAIVAL14@GMAIL.COM

Sample : KN10319001-002

Harvest/LOT ID: 854-20136

Batch# : MJS-GG-002

Sampled : 03/01/21

Ordered : 03/01/21


Sample Size Received : 10 gram

Total Weight/Volume : N/A

Completed : 03/26/21 Expires: 03/26/22

Sample Method : SOP Client Method

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Microbials

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 -KN000611MIC Batch Date : 03/22/21
Instrument Used :
Running On : 03/22/21

Analyzed by	Weight	Extraction date	Extracted By
142	0.6927g	NA	NA

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.



Mycotoxins

PASSED

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		ppm	0.000	

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -KN000609MYC | Reviewed On - 03/24/21 10:12:29
Instrument Used : E-SHI-125 Mycotoxins
Running On : 03/22/21 13:42:55
Batch Date : 03/22/21 11:13:10

Analyzed by	Weight	Extraction date	Extracted By
143	0.1353g	03/22/21 04:03:57	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.



Heavy Metals

PASSED

Reagent	Consums. ID
030121.R30	7285/0030023
011521.R01	201015060
031621.02	
111220.R15	
123020.R01	
030121.R29	

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	0.331	0.5

Analyzed by	Weight	Extraction date	Extracted By
12	0.2724g	03/23/21 10:03:29	138

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -KN000614HEA | Reviewed On - 03/23/21 17:31:28
Instrument Used : Metals ICP/MS
Running On :
Batch Date : 03/23/21 09:22:04

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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