



# Certificate of Analysis

Sample:KN20505002-001

Harvest/Lot ID: 12000

Batch#: E-ENTI-E-CB400-41422

Seed to Sale# N/A

Batch Date: 04/14/22

Sample Size Received: 50 gram

Total Weight/Volume: N/A

Retail Product Size: 50 gram

ordered : 05/02/22

sampled : 05/02/22

Completed: 05/15/22

Sampling Method: SOP Client Method

May 15, 2022 | Utoya Organics LLC.

1646 Tilley Ave  
Clearwater, FL, 33756, US



**PASSED**

Page 1 of 5

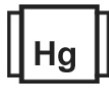
PRODUCT IMAGE



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**

**PASSED**



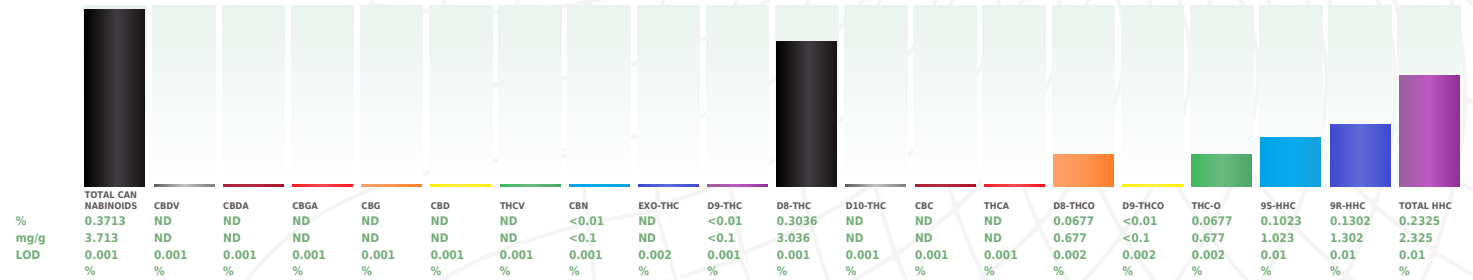
Total d8-THC  
**0.304%**



Total HHC  
**0.233%**



Total Cannabinoids  
**0.3713%**



Analized by **113** Weight **0.5016g** Extraction date : **05/05/22 11:32:51** Extracted By : **113**

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 - 05/06/22 12:50:40

Analytical Batch -KN002369POT

Batch Date : 05/04/22 12:19:42

Instrument Used : HPLC E-SHI-008

Running On :

Dilution : 40

Reagent : 081321.R04; 050222.R01; 042122.R02

Consumables : 947B9291.271; 200331059

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). (Method: SOP.T.30.031.TN for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis.). \*Based on FL action limits.

Analized by **138, 12** Weight **0.5016g** Extraction date : **05/05/22 16:37:39** Extracted By : **138**

Analysis Method -SOP.T.30.074, SOP.T.40.074

Analytical Batch -KN002365HHC

Reviewed On - 05/10/22 18:18:46

Instrument Used : E-AGI-178

Batch Date : 05/04/22 09:50:00

Running On :

Dilution : 40

Reagent :

Consumables :

Analysis Method SOP.T.30.050 Description: Total Hexahydrocannabinol (9S & 9R-HHC) analysis is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) Analytes ISO Pending

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

05/15/22

Signed On



# Certificate of Analysis

**PASSED**

Utoya Organics LLC.

1646 Tilley Ave  
Clearwater, FL, 33756, US  
Telephone: (727) 421-9032  
Email: jedwards@utoya.com

Sample : KN20505002-001  
Harvest/Lot ID: 12000

Batch# : E-ENTI-E-  
CB400-41422  
Sampled : 05/02/22  
Odered : 05/02/22

Sample Size Received : 50 gram  
Total Weight/Volume : N/A  
Completed : 05/15/22 Expires: 05/15/23  
Sample Method : SOP Client Method

Page 2 of 5



## Pesticides

**PASSED**

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	PROPRICONAZOLE	0.01	ppm	1	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	PYRETHRINS	0.01	ppm	1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	SPINETORAM	0.01	ppm	3	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
CLOFENTZINE	0.01	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND						
CYPERMETHRIN	0.01	ppm	1	PASS	ND						
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZANON	0.01	ppm	0.2	PASS	ND						
DICHLORVOS	0.01	ppm	0.1	PASS	ND						
DIMETHOATE	0.01	ppm	0.1	PASS	ND						
DIMETHOMORPH	0.01	ppm	3	PASS	ND						
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND						
ETOFENPROX	0.01	ppm	0.1	PASS	ND						
ETOXAZOLE	0.01	ppm	1.5	PASS	ND						
FENHEXAMID	0.01	ppm	3	PASS	ND						
FENOXYCARB	0.01	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.01	ppm	2	PASS	ND						
FIPRONIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	2	PASS	ND						
FLUDIOXONIL	0.01	ppm	3	PASS	ND						
HEXYTHIAZOX	0.01	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.01	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.01	ppm	2	PASS	ND						
METALAXYL	0.01	ppm	3	PASS	ND						
METHIOCARB	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	ND						
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	3	PASS	ND						
NALED	0.01	ppm	0.5	PASS	ND						
OXAMYL	0.01	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PERMETHRINS	0.01	ppm	1	PASS	ND						
PHOSMET	0.01	ppm	0.2	PASS	ND						



## Pesticides

**PASSED**

Analysis Method -SOP.T.30.060, SOP.T.40.060  
 Analytical Batch -KN002372PES  
 Instrument Used : E-SHI-125 Pesticides  
 Running on :  
 Reviewed On :05/06/22 11:46:59  
 Batch Date :05/05/22 09:48:25

Analyzed by: 12      Weight: 0.5103g      Extraction date: 05/06/22 10:04:30      Extracted by: 12

Dilution : 10  
 Reagent : 110521.03; 041522.R04; 041522.R05; 041322.R01  
 Consumables : 294033242; n/a; 210419634; 947B9291.271

Pesticide analysis is performed using LC-MSMS which can quantify down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 61 Pesticides. (Methods: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMSMS). \*Based on FL action limits.



# Certificate of Analysis

**PASSED**

Utoya Organics LLC.

 1646 Tilley Ave  
 Clearwater, FL, 33756, US  
 Telephone: (727) 421-9032  
 Email: jedwards@utoya.com

 Sample : KN20505002-001  
 Harvest/Lot ID: 12000

 Batch# : E-ENTI-E-  
 CB400-41422

 Sampled : 05/02/22  
 Oedered : 05/02/22

 Sample Size Received : 50 gram  
 Total Weight/Volume : N/A

 Completed : 05/15/22 Expires: 05/15/23  
 Sample Method : SOP Client Method

Page 3 of 5



## Residual Solvents

PASSED

Solvents	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 - DIMETHYLBENZENE	15	ppm	2170	PASS	ND



## Solvents

PASSED

Analyzed by 2368, 138, 12	Weight 0.02748g	Extraction date 05/09/22 16:26:22	Extracted By 138
------------------------------	--------------------	--------------------------------------	---------------------

Analysis Method -SOP.T.40.032

Analytical Batch -KN002373SOL

Instrument Used : E-SHI-106 Residual Solvents

Running On :

Batch Date : 05/05/22 11:29:12

Reviewed On - 05/10/22 18:19:03

Dilution : 1

Reagent :

Consumables : R2017.099; G201.120

Residual solvents analysis 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). \*Based on FL action limits.



# Certificate of Analysis

**PASSED**

Utoya Organics LLC.

1646 Tilley Ave  
Clearwater, FL, 33756, US  
Telephone: (727) 421-9032  
Email: jedwards@utoya.com

Sample : KN20505002-001  
Harvest/Lot ID: 12000

Batch# : E-ENTI-E-  
CB400-41422  
Sampled : 05/02/22  
Odered : 05/02/22

Sample Size Received : 50 gram  
Total Weight/Volume : N/A  
Completed : 05/15/22 Expires: 05/15/23  
Sample Method : SOP Client Method

Page 4 of 5

	<b>Microbial</b>	<b>PASSED</b>		<b>Mycotoxins</b>	<b>PASSED</b>
---	------------------	---------------	---	-------------------	---------------

Analyte	LOD	Units	Result	Pass / Fail	Action Level
<b>Analysis Method</b> - SOP.T.40.043 <b>Analytical Batch</b> - KN002375MIC <b>Instrument Used</b> : Micro E-HEW-069 <b>Running on</b> : 05/09/22 09:32:58  <b>Analyzed by:</b> NA <b>Weight:</b> <b>Extraction date:</b> <b>Extracted by:</b> NA  <b>Dilution</b> : 1 <b>Reagent</b> : 121721.08; 122021.02 <b>Consumables</b> : P7530724					

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	Pass / Fail	Action Level
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02

**Analysis Method** -SOP.T.30.060, SOP.T.40.060  
**Analytical Batch** -KN002379MYC | **Reviewed On** - 05/06/22 11:05:42  
**Instrument Used** : E-SHI-125 Mycotoxins  
**Running On** : | **Batch Date** : 05/06/22 10:06:30

Analyzed by	Weight	Extraction date	Extracted By
12	0.5103g	05/06/22 10:04:30	12

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMSMS. LOQ 5.0 ppb). \*Based on FL action limits.

	<b>Heavy Metals</b>	<b>PASSED</b>
---	---------------------	---------------

Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	1.5
CADMIUM-CD	0.02	ppm	<0.1	PASS	0.5
MERCURY-HG	0.02	ppm	ND	PASS	3
LEAD-PB	0.02	ppm	ND	PASS	0.5

Analyzed by	Weight	Extraction date	Extracted By
12	0.2704g	05/12/22 14:32:30	12

**Analysis Method** -SOP.T.40.050, SOP.T.30.052  
**Analytical Batch** -KN002390HEA | **Reviewed On** - 05/12/22 10:00:18  
**Instrument Used** : Metals ICP/MS  
**Running On** : | **Batch Date** : 05/09/22 21:35:36

**Dilution** : 50  
**Reagent** : 121421.06; 011022.R08; 032522.01; 020422.09; 020422.R07; 030422.R15; 122121.R23  
**Consumables** : 108779-06-102921; CFT415500

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.082 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.082TN Heavy Metals Analysis via ICP-MS.



# Certificate of Analysis

**PASSED**

Utoya Organics LLC.

1646 Tilley Ave  
Clearwater, FL, 33756, US  
Telephone: (727) 421-9032  
Email: jedwards@utoya.com

Sample : KN20505002-001  
Harvest/Lot ID: 12000

Batch# : E-ENTI-E-  
CB400-41422  
Sampled : 05/02/22  
Odered : 05/02/22

Sample Size Received : 50 gram  
Total Weight/Volume : N/A  
Completed : 05/15/22 Expires: 05/15/23  
Sample Method : SOP Client Method

Page 5 of 5



**Filth/Foreign  
Material**

**PASSED**

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	detect/g	ND	<b>PASS</b>	3

Analyzed By	Weight	Extraction date	Extracted By
1	0.5823g	05/05/22	1692

Analysis Method -SOP.T.40.013 Batch Date : 05/05/22 11:40:44

Analytical Batch -KN002374FIL Reviewed On - 05/05/22 14:02:14

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 use for inspection.

**Sue Ferguson**

Lab Director

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

Signature

05/15/22

Signed On